DOCUMENT RESUME

ED 110 683 CE 004 474

AUTHOR Braaten, Larry; Miller, Annette
TITLE Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1974-December 31, 1974.
INSTITUTION Bureau of Occupational and Adult Education (DHEW/OE), Washington, D.C. Div. of Research and Demonstration.
PUB DATE May 75
NOTE 131p.; Tenth in a series

EDRS PRICE MF-$0.76 HC-$6.97 Plus Postage
DESCRIPTORS Annual Reports; Career Education; Directories; Educational Legislation; Educational Research; *Program Descriptions; *Research Coordinating Units; *Research Projects; Research Proposals; *State Programs; *Vocational Education
IDENTIFIERS Vocational Education Amendments 1968

ABSTRACT

The report is a compilation of information from State Quarterly Research Activity Reports submitted by State Research Coordinating Units regarding research activities conducted under Section 131(b) of Part C of the Vocational Education Amendments of 1968. It also includes all reported research projects administered by the State educational agency but not funded under that legislation. Each State's activities are listed under the subheadings: Projects Completed, New Projects Funded, Research Related Activities, and Projects and Activities Planned. Career education ranked high on the list of priorities for research projects. Other areas of emphasis included: followup studies, evaluations, competency studies, manpower studies, and programs related to health careers. In addition, the States have continued to fund projects for the expansion and improvement of their ongoing vocational programs. (Author/PR)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

ED110683

SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

July 1, 1974 - December 31, 1974

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Caspar W. Weinberger, Secretary

Office of Education
T.H. Bell, U.S. Commissioner of Education

Bureau of Occupational and Adult Education
William L. Pierce, Deputy Commissioner

Office of Adult, Vocational, Technical, & Manpower Education
Charles H. Buzzell, Associate Commissioner

Division of Research and Demonstration
Howard F. Hjelm, Director

CE 004 474

MAY 1975

Civil Rights Compliance

Discrimination Prohibited - Title VI of the Civil Rights Act of 1964 states:

> "No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance."

Therefore, any program or activity receiving financial assistance from the Department of Health, Education, and Welfare must be operated in compliance with the law.

FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of Part C of the Vocational Education Amendments of 1968. This report covers the second six months of Fiscal Year 1974. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This Semiannual Report has been prepared by Larry Braaten, Chief, Demonstration Branch and Annette Miller of the Demonstration Branch of the Division of Research and Demonstration. This is the tenth in a series of reports on the activities of the State RCU's. The previous reports are listed below:

a. Annual Report on State Research Coordinating Unit Activities for Fiscal Year 1970 (ED-053-293)

b. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970 (ED-052-381)

c. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1971 to June 30, 1971 (ED-067-463)

d. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1971 to December 31, 1971 (ED-068-718)

e. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1972 to June 30, 1972 (ED-076-781)

f. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1972 to December 31, 1972 (ED-080-720)

g. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1973 to June 30, 1973

h. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1973 to December 31, 1973

i. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1974 to June 30, 1974

Copies of the above reports with assigned ED numbers can be obtained from the ERIC Document Reproduction Service.

Howard F. Hjelm
Director, DRD

May 1975

INTRODUCTION

The RCU's have continued to provide the leadership for the State's R&D programs in vocational education. In providing this leadership, the RCU's have given assistance to State vocational agencies and personnel, graduate students, teachers and a variety of other interested parties. They have also played a major role in long-range planning and the development of vocational research priorities. One of the most important activities of the RCU's is the disseminating of the results of research. In addition to the operation of their own dissemination efforts, the RCU's are a vital part of the national network of contributors to the ERIC collection.

For the first half of fiscal year 1975, career education again ranked high on the list of priorities for research projects. Other areas of emphasis included: followup studies, evaluations, competency studies, manpower studies, and programs related to health careers. In addition, the States have continued to fund projects for the expansion and improvement of their ongoing vocational programs.

The Semiannual Report which follows is a compilation of State Quarterly Research Activity Reports covering the first two quarters of fiscal year 1975 which have been received from the States. Additional information on projects listed under the category of "new projects funded" may be located in the "Research Projects in Progress" section of Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM) published bi-monthly. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the bi-monthly issues of AIM/ARM. All reported research projects administered by the State educational agency were included in this report, whether or not they were funded under Section 131(b) of Part C.

ALABAMA

T. L. Faulkner, State Director of Vocational Education
Douglas Patterson, RCU Director

PROJECTS COMPLETED:

1. Joint Leadership Training Conference for Selected Students and Advisors of Alabama's Vocational Youth Organizations, John M. Patterson, State Technical College

2. Distributive Education Dissemination Project, John M. Patterson, State Technical College

3. Vocational Education Follow-up Project, Auburn University

4. Career Education Program for Appalachian Alabama, State Department of Education

NEW PROJECTS FUNDED:

1. Implementation of Career Education K-12 in the Phenix City Public Schools, Phenix City Board of Education

2. Career Education Project, Mobile County

3. A Program Designed to Provide Occupational and Educational Placement Services for all Existing Students of the Tuscaloosa County School System, Tuscaloosa County School System

4. Developing a Comprehensive Placement Program, Shelby County Board of Education

5. Cooperative Occupational Opportunities and Placement Program, Greene County Board of Education

6. A Comprehensive Placement Program for Covington County, Andaluisa City, and Opp City School Systems, Covington County Board of Education

Alabama

7. Placement Implementation Project, Mobile County Public Schools

8. Coffee County's Approach to a Comprehensive Placement Program - Grades One Through College, Coffee County School System

9. Fashion Merchandising, Montgomery County Public Schools

10. Threshold of Education Reform, Restructuring Agriculture for Inner-City Related Motivation and Accomplishment (TERRA FIRMA), Anniston City Schools

11. Montgomery County's Approach to Career Education - Grades One Through Twelve, Montgomery County Public Schools

12. The Constitutional Convention for HOE Students and Secondary Teachers, John M. Patterson, State Technical College

13. Vocational Education Follow-up Project, Auburn University

RESEARCH RELATED ACTIVITIES:

1. Coordinated the assessment of state vocational education needs through visits to the local board of education

2. Collected enrollment data on all secondary students in vocational education and expanded existing fiscal data base

3. Evaluated Joint Leadership Training Conference

4. Developed proposal to support additional Management Information System Activities

5. Conducted manpower demand analysis for selected areas of the state

6. Prepared federal statistical, descriptive, financial and completions reports and state statistical report

Alabama

7. Conducted vocational facility needs study for a selected area of the state

8. Assisted in the planning and development of a curriculum workshop for state vocational education leaders

9. Assisted other vocational education division staff in the development of five research and development proposals. (OIS Preliminary, Alabama Occupational Information System, Local Government Training Needs Survey, Curriculum Designing and Implementation, and State MIS Proposal)

10. Staff members conducted on-site investigations of Occupational Information Systems in Oregon, Connecticut, and New Jersey

11. Installed and implemented the use of electronic data processing equipment for the management information system (OpScan 17, Mohawk 1101 Tape Unit, and two computer terminals)

12. Conducted follow-up data utilization seminars with service areas' staff.

13. Participated in the Regional Research Conference in Agricultural Education, Southwide Research Coordinating Conference, Regional Part D Evaluation Conference, and AVA Convention

14. Conducted study of experimental project in special post-secondary institution

15. Coordinated employer survey in one county.

16. Prepared report to the State Department of Education data processing section which projects the Vocational Education Division's computer needs over the next five years

PROJECTS AND ACTIVITIES PLANNED:

1. Develop State Plan for Vocational Education

Alabama

2. Resource Entitlement calculation and allocation

3. Local plan and request evaluation

4. Conduct research on the utilization of microfiche in a competency based instructional program

5. Plan for expansion of computer capabilities in cooperation with State Department Data Management section

6. Study computer upgrade plans of community colleges

7. Expand fiscal office computer files to include enrollments

8. Field test post-secondary subsystem of MIS enrollment

9. Participate in the National RCU Conference, National Part D Conference, Regional State Plan Development Conference, and State Educational Planning Conference

10. Computerization of state staff accounting, teacher training

11. Conduct study of local administrator roles

12. Complete report on vocational education facts in Alabama

ALASKA

Richard L. Spaziani, State Director of Vocational Education
Richard L. Spaziani, RCU Director

NO REPORT RECEIVED

ARIZONA

Eugene L. Dorr, State Director of Vocational Education
Beverly Wheeler, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. A Model for Evaluation of the D.E. Program in Arizona, Arizona State University
2. Development and Use of Challenge Exams for Clinical Lab, Nursing II, Part II, Pima Community College
3. Comparison of Three Media Presentations of Selected Home Economics Related Occupations, University of Arizona
4. A Classroom Training Conference for Youth Leaders of D.E., Washington High School
5. I Will, Monument Valley High School
6. A Survey to Determine the Adequacy of Vocational Information at Camelback High School as Perceived by 1974 Graduates, Camelback High School
7. Survey of Minority Businessmen and Support Programs, Arizona State University
8. Increasing Student Motivation and Retention, Eastern Arizona College

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Begin the planning for an expanded information dissemination system

Arizona

2. Begin the planning for a system for identifying available vocational education curriculum materials

3. Begin the planning for a survey of vocational educators on their perceived information needs and vocational education research priority needs in Arizona

4. Fund at least one project which will relate to the need of improved competence in proposal writing

ARKANSAS

Luther Hardin, State Director of Vocational Education
Jack D. Nichols, RCU Director

PROJECTS COMPLETED:

1. A Comparative Study of the Occupational Achievement of Vocational and Non-Vocational High School Graduates in the State of Arkansas Educational Planning and Evaluation Services, Magnolia

NEW PROJECTS FUNDED:

1. A Comparative Study of Alternative Methods and Techniques in Stenographic Training, Pulaski County School District, Little Rock

2. Ten Local Action Oriented Research and Development Mini-Grants, Statewide

3. An Education-Industry Exchange Program for Vocational Teacher Education Preparation, State College of Arkansas, Conway

RESEARCH RELATED ACTIVITIES:

1. A proposal has been submitted for funding consideration entitled "A Model for Developing Alternative Administrative Strategies for Maximizing Comprehensive Vocational Program Planning and Evaluation"

2. The project entitled "A Unified School-Community Approach to Remodel Guidance Services and Expand Next Step Placement and Follow-Up," has progressed satisfactorily and an inservice education component has been funded through EPDA

PROJECTS AND ACTIVITIES PLANNED:

1. Individualized Vocational Visual Media for Deaf Students

Arkansas

2. Curriculum development activities for state vocational personnel

3. Staff development and coordination for state vocational personnel

4. Inservice training for personnel involved in Research and Development projects

CALIFORNIA

Mr. Samuel Barrett, State Director Vocational Education
James Crandall, RCU Director

PROJECTS COMPLETED:

1. Field Test of Project 42-10421-C048-71-The Research and Evaluation of Follow-Up Studies of High School Graduates Using Sampling Techniques

2. Student Perceptions of the Link Between School and Work

3. Research on Application of a Self-Actualization Process in an Attempt to Improve Effort and Performance in Selected Vocational Programs

4. A Study of the Vocational Entitlement and Grants Mgt. System

5. Career Education Opinions of California Educators

6. Industry Validated Vocational Performance Objectives

7. Use of Need Assessment in Improving the Utility of Community College Advisory Committees

8. Improving Occup Student Follow-Up in California Community Colleges

9. Occupational Needs Assessment of the Elderly

10. Comparison of Listening-viewing Comprehension Levels of a Junior College Population Enrolled In Vocational Education compared to the Comprehension Levels of the Learning Methods Utilized in Vocational Education

11. The Effects of Providing Pre-Education Treatment to Handicapped Young Adults to Increase Their Readiness for College and Vocational Education Programs: A Controlled Research Study

12. Reasons for Drop-Out and Inhibitors to Training Related Job Placement of Vocational Education Trainees

California

13. A Study of Career Centers in the State of California

14. Involvement of Vocational Ag Students in Student Vocational Education Student Organizations

15. Third Party Evaluation of California Career Education Centers

16. Field Test Report of a Career-Oriented, Peer-Instructional Model in the Office Cluster of Business Occupations at the Clovis Adult School of Business

17. Evaluation of Self-Administration, Self, Scoring, and Self Intrepretation of the California Occupational Preference Survey

18. An Analysis of Vocational Education Administrators Perception of Curriculum Tasks and Competencies

19. Recommendations for the Operation of a Mobile Business Education Instructional Materials Resource Center

20. Concepts, Topics, & Objectives for Consumer Education K-Adult

21. An Empirical Comparison Between the Gregg & the Laurie Shorthand Systems

22. A Survey of Teacher Pupil Relationships of California Vocational Ag Teachers Trained by the Full Pay Intern Program

23. California Industrial Education Guide

24. Experiment to Determine the Effects of Repetition and Alternating Levels of Practice on Learning to Typewrite

25. The Measurement of Attitudes of Chicano Freshman Who are Preparing for a Criminal Justice Career

26. Compton-Minority Com Attitude Survey

California

NEW PROJECTS FUNDED:

1. System of Interactive Guidance and Information (SIGI)
2. Manpower Management Information System: Education Resources
3. Research Information Identification of Cultural Disadvantagement as a Key Segment of a Vocational Student Information System
4. COPES: Sub System for Work Experience Programs
5. A Study to Identify and Validate Beginning Voc Ag Teacher Tech Competencies in Beef, Sheep, Swine & Horse Husbandry
6. Recommendations for Operation of Mobile Business Ed Resource Center
7. Reasons Teachers Leave the Profession of Voc Agriculture Education
8. Concepts, Topics & Objectives for Consumer Education K-Adult
9. California Broadcast Employment Survey
10. An Assessment of the Occupational Programs for 11th & 12th Grade High School Students in Community College
11. The Impact of the Career Guidance Centers Upon Students at Santa Ana College

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

COLORADO

M. G. Linson, State Director of Vocational Education
Robert F. Barnes, RCU Director

NO REPORT RECEIVED

CONNECTICUT

Walter A. Bialobrezeski, State Director of Vocational Education
Richard C. Wilson, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. Planning the Development and Implementation of the East Shore Career Education Center, Area Cooperative Educational Services, New Haven

2. A Survey of Community Resources and Employment Opportunities Having Implicatons for Programs of Vocational Agriculture in Connecticut: Phase II, School of Education University of Connecticut

3. Preparation of a Vocational Career Guide for Connecticut, University Research Institute of Connecticut

4. Evaluation of the Remedial Reading Program of the Connecticut Vocational-Technical Schools, Central Connecticut State College

5. Career Education Program: Troop Middle School, New Haven

6. Project 70,001, Hartford

7. Alternative School, Waterbury

8. Career Guidance Program, Urban League of Greater Hartford

9. Career Education in Norwalk Public School, Norwalk

REASEARCH AND RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Study of Increased Use of Vocational-Technical Facilities.

Connecticut

2. **A Survey** of the Manpower Needs of Connecticut Business and Industry With Special Emphasis on the Development of a Computer-Based Model for Vocational-Career Information Delivery Systems.

DELAWARE

Conrad C. Shuman, State Director of Vocational Education
Burton Braverman, RCU Director

PROEJCTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. Delmarva Career Education Project, Seaford School District

2. Performance Based Self-Paced, Individualized Instructional System, Kent County Vocational-Technical District

3. About Face, Marshallton-McKean District

4. Industrial Arts in the Elementary School K-5, Appoquinimink School District

5. To Provide Career Opportunities to Elementary Children in Kindergarten Through Grades Four in Awareness and Explorative Activities, Capital School District

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

NONE

DISTRICT OF COLUMBIA

Paul E. Cawein, State Director of Vocational Education
Jeannie H. Carter, RCU Director

PROJECTS COMPLETED:

1. Project Info - to determine the impact of readily accessible information in a Field Resource Center for program and curriculum development. The Project Info Center houses several microfiche library collections including AIM and ARM and other instructional and curriculum materials, Bruce Administration Center, Public Schools of the District of Columbia

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES

1. Wrote Research Proposal for Commissioner's Part C money which was designed to implement an automatic Student Information System and a Student Follow-Up Model

2. Prepared Annual Statistical and Descriptive Reports for submission to USOE

3. Prepared Amendments to the 1975

4. Began preparation of the 1976 State Plan

PROJECTS AND ACTIVITIES PLANNED:

NONE

FLORIDA

Joe D. Mills, State Director of Vocational Education
K. M. Eaddy, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. To meet third party career education evaluation guidelines as specified by USOE (D4-013), C. A. Bellum, Sarasota County School Board, Sarasota

2. Third-party evaluation of the C/E program in Manatee County (D5-004), Raymond Lee, Manatee County, Brandenton

3. Develop a catalog of objectives and criterion-referenced exercises for tax collector occupations (C5-003), David Groth, Broward Community College, Ft. Lauderdale

4. Research and Related Training Programs for Graduate Students (C5-002), R. Andreyka, Florida State University, Tallahassee

5. Survey of LOOM Needs by District Schools (D4-011), Ernest Berger, Florida State University, Tallahassee

6. To continue the reproduction and diffusion of LOOM throughout the State (D5-001), Ernest Berger, Florida State University, Tallahassee

7. Allocate additional resources to VTAE Project D4-002, Automotive Body Repair Assessment (D4-002), Paul Mohr, Florida A&M University, Tallahassee

8. Employment of a Technical Coordinator at FAMU, to provide assistance and direction to the development of V-TECS catalogs of objectives and criterion-referenced measures being conducted in universities and other institutions throughout the State (D5-003), Florida A&M University, Tallahassee

Florida

9. Pupil Personnel Services for Post Secondary (C5-001) Area Voc.-Tech. Centers, James Wattengarger, University of Florida, Tallahassee

10. Phase II of Workshops to Train Teachers in use of Valuing Materials and Teaching Techniques (D4-012), J. B. Hodges, University of Florida, Gainesville

11. To assist in the diffusion of Elementary Counselor Career Education Materials to Teachers and Counselors throughout Florida (D5-005), University of Florida, Gainesville

12. Evaluation of Career, Economic and Community Education Components EPIC Project (750-010) Contract, Florida Council of 100

13. A Feasibility Study in Curriculum Development (750-049) Contract, B. E. Childers, Southern Association of Colleges and Schools, Atlanta, Georgia

RESEARCH RELATED ACTIVITIES:

1. Preparation and implementation of Management by Objectives System including development of goals, mission statements, objectives and milestones for the bureau operation and for interdivisional responsibilities designed to this bureau.

2. Made presentations to the following groups concerning bureau activities: (a) the annual vocational, technical and adult educator's conference; (b) local administrators and community college deans, various vocational service areas and other interested groups, (c) directors of student personnel services, teacher educators and division staff meetings.

3. Prepared and submitted a proposal for a discretionary research project in 1975-76.

4. Attended and participated in the Fall Meeting of the Southwide Research Coordinating Council.

5. Prepared and submitted program materials for the National Research Coordinating Unit Personnel Conference.

6. Attended meetings of Bureau Chiefs, Vocational Administrative Council, DOE Administrative Council and other council and committee meetings

7. Hosted meeting of curriculum coordinators from curriculum network management centers and state coordination centers

8. Conducted a series of regional meetings in Florida on placement and follow-up for local school districts

9. Served on board of Directors for V-TECS and participated in all activities

10. Served on national committee to develop a Handbook on Dissemination

11. Developed a project for USOE on training of change agents

12. Worked with state agencies and other interested groups on placement and follow-up programs, i.e., Department of Commerce, Department of Health and Rehabilitative Services, American Vocational Association, Educational Supervisor's Conference, National Advisory Council for Vocational Education.

13. Worked with other state agencies to develop projects for curriculum management and occupational information systems

14. Participated in a Conference on Instructional Systems Development, and the national Distributive Education Consortium

15. Served as special consultant to several task forces and committees, such as: (a) Consumer Education Task Force for the purpose of state legislation implementation and subsequent evaluation of a statewide interagency conference on consumer education; (b) State Awards Committee, (c) curriculum advisory committees, (d) Title V ESEA Committee

16. Prepared research and exemplary components of the annual descriptive report for Florida

Florida

17. Reviewed, recommended and monitored for funding support the managerial aspects of research, exemplary, evaluation and dissemination projects funded in the State

18. Provided consultative assistance to projects in progress

19. Continued working on the development of a statewide accreditation program

20. Responded to requests for information including preparation of journal articles and newsletters

21. Prepared position paper and guidelines for review on dissemination systems

22. Coordinated the development of contracts for the Vocational Division, Department of Education

23. Attended meetings in the Atlanta, Region IV office for the purpose of orientation to project establishment, and receipt of guidelines for the third party evaluation of the discretionary, exemplary project

24. Coordinated the establishment of FY 74 research and exemplary discretionary projects

25. Prepared amendments to the discretionary research and exemplary projects

26. Monitored discretionary research and evaluation projects

27. Issued a Request for Proposals to conduct a third party evaluation for the exemplary career education program

28. Attended an orientation session held in Washington, D.C. for project staff having discretionary research projects

29. Provided information to Rand Corporation for evaluation of discretionary exemplary projects

Florida

30. Began final phases of the 1973 and 1974 career education models

31. Prepared the Statewide program of work for research, exemplary evaluation and dissemination activities

32. Assisted in conducting a Statewide Advisory Council Workshop

PROJECTS AND ACTIVITIES PLANNED:

1. Complete the current projects operating through the U.S. Commissioner's discretionary share of research and training and exemplary funds

2. Prepare specifications and recommendations for research and exemplary projects for 1975-76

3. Continue development of a diffusion/dissemination model for the Vocational Division

4. Establish new research and exemplary projects funded through discretionary and state administered monies

5. Continue developmental activities for:

   a. placement and follow-up
   b. career education
   c. curriculum
   d. program standards
   e. management by objectives for research and evaluation bureau

6. Continue liaison and coordination of vocational research and development efforts in and out of state

GEORGIA

Russell S. Clark, State Director of Vocational Education
Paul Scott, RCU Director

PROJECTS COMPLETED:

1. Walker County Project, La Fayette
2. Health Occupations and Health Coop Project, University of Georgia, Athens
3. Mini-Exploratory Project, University of Georgia, Athens

NEW PROJECTS FUNDED:

1. College Dissemination Project, Valdosta State College, Valdosta
2. Public Service Cluster, Gwinnett County
3. Fine Arts Cluster, Muscogee County
4. Arnold Project, Evaluation in conjunction with State Advisory Council, Atlanta
5. Career Education Program, Colquitt County
6. Basic Skills Through Practical Arts, Green County
7. An Occupational Structured Reading Program, Hancock County
8. Job Placement Program, Oconee County
9. Career Awareness, Ferrell County
10. P. E. C. E. Adoption
11. Basic Skills Through Practical Arts, Charlton County
12. Career Education, Effingham County

Georgia

13. Development of Performance Objectives and Task Analysis in Conjunction with V-TECS Project, West Georgia College, Carrollton

RESEARCH RELATED ACTIVITIES:

1. Renewed membership in the seven-state V-TECS Consortium
2. Organized a task force to work with a Cadet Teacher Project
3. Prepared a proposal for the development of a comprehensive vocational guidance model
4. Previewed commercial curriculum materials for possible use in career and vocational education programs
5. Worked with local school systems in the development of proposals
6. Review of environmental curriculum materials
7. Performed literature searches
8. Conducted workshops concerned with career and/or vocational education
9. Conducted a State of the Art Review for evaluation of vocational programs
10. Assisted in preparation of legislation and Congressional testimony

PROJECTS AND ACTIVITIES PLANNED:

1. Vocational Teacher Assessment Project
2. Expand Competency based certification/teacher education project
3. Work with Educational Testing Service to adapt the use of their skill competency tests to our certification procedures

Georgia

4. Continue a variety of diffusion/dissemination activities

5. Work with Clayton County School System to develop an alternative comprehensive high school centered around vocational education

HAWAII

Samson S. Shigetomi, State Director of Vocational Education
Sybil Kyi, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. A statewide Follow-up System of Secondary Level Program Graduates, FY 1974, Data Technical Associate Honolulu

RESEARCH RELATED ACTIVITIES:

1. A statewide enrollment data system for secondary level vocational-technical education programs
2. A statewide follow-up system of secondary level program graduates, FY 1974
3. A statewide comprehensive Career Development Continuum (K-14), Phase III
4. In-service experimental team programs at Waianae, Kaimuki and Konawaena high schools
5. ETV materials development for Career Development Program support at grades 4-6

PROJECTS AND ACTIVITIES PLANNED:

NONE

IDAHO

Roy D. Irons, State Director of Vocational Education
Kenneth Hanson, RCU Director

PROJECTS COMPLETED:

1. A comprehensive Career Education Program for Grades 7-9--Supplements Commissioners, V361033L, Pocatello #25, Pocatello

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES

1. Developing an Occupational Information System for the State of Idaho
2. Developing a statewide dissemination system for R&D materials
3. Development of a VIEW system with over 300 vocational occupations common to Idaho. The accessing system used in the keying of the Kuder 10 interest areas and the USOE career clusters

PRODUCTS AND ACTIVITIES PLANNED:

1. Development of a comprehensive Management Information System for Vocational Education. To include the following subsystem models:
   a. Student accounting
   b. Manpower supply and demand
   c. Financial accounting and resource allocation
2. Updating of VIEW system

ILLINOIS

Sherwood Dees, State Director of Vocational Education
Ronald D. McCage, RCU Director

PROJECTS COMPLETED:

1. Maximizing Human Resource Development in the Five County Tier Region of Southern Illinois - Phase II, Joel Jennings, Shawnee Community College, Karnak

2. Development of a Systematic Approach to Follow-Up Evaluation - Phase II, Joyce Felstehausen, Eastern Illinois University, Charleston

3. Cost Differential Analysis - Phase II, Dennis C. Nystrom, Southern Illinois University, Carbondale

4. Analysis of Current Manpower Labor Market Information in Illinois, Richard Hattwick, Western Illinois University, Macomb

5. Illinois Vocational Education Management Information System - Phase II, Robert A. Davis, Robert Davis Associates, Springfield

6. The Exemplary Program in Technical Industrial Engineering Technology Based on Integrated Measurably State Behavioral Objectives, Robert Van Raes, Moraine Valley Community College, Palos Hills

7. Nuclear Radiation Project Study - Phase II, William Phelps and Art Baker, Crystal Lake District 155, Crystal Lake

8. An Impact Assessment of the Demonstration Center as a Dissemination Technique, Joseph Ellis, Northern Illinois University, DeKalb

NEW PROJECTS FUNDED:

1. Career Education Resource Laboratory - Phase II, Carol Sanders, Eastern Illinois University, Charleston

Illinois

2. Illinois Vocational Education Management Information System - Phase III, Robert A. Davis, Robert Davis Associates, Springfield

3. Development of a Systematic Procedure for Collecting, Processing and Analyzing Supply/Demand Data on Occupational Education Teachers, Richard Hattwick, Western Illinois University, Macomb

4. Career Awareness Project: One Through Three, Larry Bailey, Southern Illinois University, Carbondale

5. A Study to Develop a Comprehensive Model Placement Center System for Adaption and Use by Community Colleges and High Schools, Connye Barrow, Triton Community College, River Grove

6. Revision of Construction Curriculum Skill Development Procedures and Relationships with Educational Institutions, Judy Greene, Chicago United, Chicago

7. Vocational Programs for Disadvantaged Students in Illinois, Lawrence Weisman, Southern Illinois University, Carbondale

8. Development of Materials and Procedures for Teaching Occupational Survival Skills, Robert Nelson, University of Illinois, Urbana

9. Comprehensive Occupational Orientation Cluster Program: Demonstration Stage, Royle Campbell, Springfield District #186, Springfield

10. The Development of Activities for Broadening the Scope of Involvement of Young Women in Occupational Education, JoAnn Steiger, Steiger, Fink & Smith, Inc., McLean, Virginia

11. An Action Research Model for Classroom Teachers, M. H. Jason & Henrietta Schwartz, Roosevelt University. Chicago

12. A Comparative Assessment of Secondary and Post Secondary Consumer and Homemaking Education Program (Part F), Gerald Matson, IBEX, Inc., Durham North Carolina

Illinois

13. A Comprehensive Analysis of the Organizational and Operational Patterns of Regular and Part G Cooperative Vocational Education (Part G), William Gooch, Southern Illinois University, Carbondale

RESEARCH RELATED ACTIVITIES:

1. East St. Louis Career Education Project, East St. Louis School District #189, East St. Louis

2. Third Party Evaluation of Six Career Education Projects, Success Research Consultants, Inc., Tinley Park

3. Multifarious, Student Based, Management Information System, DVTE-RCU, Springfield

4. CIOEDC Project, Site A, Elementary, Secondary, and Joliet Junior College District/Joliet Township High School District #204, Joliet

5. CIOEDC Project, Site B, Cumberland High School and Junior College/Cumberland Unit School District #77, Toledo

6. CIOEDC Third Party Evaluator, Educational Management Service Inc., Minneapolis, Minnesota

7. CIOEDC Project Headquarters - Research and Development Unit, Division of Vocational and Technical Education, Illinois Board of Vocational Education and Rehabilitation, Springfield

PROJECTS AND ACTIVITIES PLANNED:

1. To Operationalize an Occupational Education Demonstration Center (9-12) Utilizing Sequential Programs Developed by the Illinois Division of Vocational and Technical Education - Project SAMPLE, TEA

2. Tri-County Career Education Project - Phase II, Paul Musgrove, Tri-County Industry Education-Labor Council

Illinois

RESEARCH RELATED ACTIVITIES:

1. Restructuring of the Research Advisory Committee has been accomplished with representative members from:

   a. The Commission for Higher Education
   b. Local Vocational Directors
   c. Superintendents Association
   d. Indiana Vocational Technical College
   e. Labor

PROJECTS AND ACTIVITIES PLANNED:

1. Request writing of proposals
2. Selection of proposals
3. Meeting of project directors
4. Visitation of FY 1974 projects

INDIANA

Don K. Gentry, State Director of Vocational Education
Edgar Hornback, RCU Director

PROJECTS COMPLETED:

1. Subject Matter Content and Teaching Methods Appropriate For A Junior Agricultural Program, Harrison High School

2. The Construction, Validation, and Standardization of an Achievement Test for a Ninth Grade Couse in Consumer Education, Indiana University

3. Youth Leadership Development, Indianapolis Public Schools

4. Horticultural Research Seminar, New Albany-Floyd County School Corp.

5. Plotter Training Study, Vincennes University

6. A Feasibility Study of the Need to Establish a Student Organization to Serve Indiana Interdisciplinary Cooperative Education Students, Indiana University

7. An In-Depth Descriptive and Evaluative Study of the Vocational Horticulture Programs in the Secondary Schools of Indiana, Purdue University

8. Vocational Education for the Disadvantaged and Handicapped in Indiana, Indiana University

NEW PROJECTS FUNDED:

1. An Initial Systems Model for the Development and Implementation of a New, Comprehensive Health Occupations Education Program Management Plan for Students and Instructors in Indiana, Chrysler School Corporation

2. A Project to Develop and Field Test an Independent Study Program in Vocational Education, Indiana University

IOWA

William O. Schuermann, State Director of Vocational Education
Kenneth M. Wold, RCU Director

PROJECTS COMPLETED:

1. Assess Needs and Develop Plan for Career Education in Area X, Kirkwood Community College, Cedar Rapids

2. Determine the Career Education Needs for Area V, Iowa Central Community College, Ft. Dodge

3. Learning Activity Packages for a Distributive Education Learning System, and Addendum, Wisconsin Department of Public Instruction, Madison, Wisconsin

4. Third Party Evaluation of Iowa Central Community College Career Education Programs in Engine Mechanics, Office Education, and Secretarial-Clerical, Iowa Education Information Center, University of Iowa, Iowa City

5. Determine the Career Education Needs for Merged Area XII, Western Iowa Technical, Sioux City

6. Unifying a Career Education Theme in the Curriculum Through Teacher Inservice Activities, Mason City Schools, Mason City

7. Determining the Competency Needs of Sanitarian Aides - Phase I, Iowa Western Community College, Council Bluffs,

NEW PROJECTS FUNDED:

1. Developing a Long Range Master Plan for Implementing Career Education for Schools in Area VI, Iowa Valley Community College, Marshalltown

2. Determine the Competency Needs of Sanitarian Aides, Phase II, Iowa Western Community College, Council Bluffs

3. Career Education Needs Assessment for Merged Area IX, Eastern Iowa Community College, Davenport

4. Area XVI Career Needs and Interest Study, Southeastern Community College, W. Burlington

5. Determine the Needs of Merged Area XIV in Relation to the Implementation of a Long Range Plan for Career Education, Southwestern Community College, Creston

6. Career Education Needs Information System (CENIS) Cycle II, Department of Public Instruction, Des Moines

RESEARCH RELATED ACTIVITIES:

1. The Career Education Needs Information system (CENIS) research project was approved as Cycle II for fiscal year 1975.

2. Staff continued to encourage research proposal development by local education institutions including area schools.

3. The Career Education Research Advisory Committee membership was updated and new members replaced tos those whose terms had expired or who had left the state. This committee reviewed proposals in advance of State Board action.

4. Visitations to on-going research projects continued.

5. Prepared the annual statistical, fiscal, and descriptive report for fiscal year 1974 for the U.S. Office of Education

6. Began work on the state plan for fiscal year 1976.

7. Printed and disseminated the following publications:

   a. Identification of Occupational Competencies in Services for the Electromechanical Cluster Occupations

   b. Goals and Objectives for Implementation of Career Education in Grades 7-12, Mason City Community School District, summer 1973

Iowa

PROJECTS AND ACTIVITIES PLANNED:

1. The Career Education Research Advisory Committee will meet to review research proposals

2. Progress on on-going research projects will be ascertained by means of a self-evaluation instrument and through follow-up visits

3. Consultative assistance will be provided proposal initiators and directors of research projects

4. Research priorities for fiscal year 1976 will be established

5. The State Plan for the Administration of Career Education for fiscal year 1976 will be prepared for State Board approval and then submitted to the U.S. Office of Education.

6. Revision of the Career Education Handbook to supplement the state plan will begin during this period

7. Staff will disseminate findings of research projects

8. Staff will continue to encourage statewide interest in additional research projects

KANSAS

John E. Snyder, State Director of Vocational Education
Wilbur A. Rawson, RCU Director

NO REPORT RECEIVED

KENTUCKY

Carl F. Lamar, State Director of Vocational Education
Robert M. Schneider, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. Two Hour Vocational Classes at the Laurel County Area Vocational Education Center -- Addendum, ROPES XIII, Barbourville

2. Vocational Education Public Information Program for the Pennyrile Region -- Continuation Phase II, Region II, Madisonville

3. Printing and Disseminating Career Education Documents, University of Kentucky, Lexington

4. Development of Performance Objectives and Criterion-Referenced Measures for V-TECS Project Areas, University of Kentucky, Lexington

5. Third Party Evaluation for Hazard Career Education, Region 12, SACS, Atlanta, Georgia

6. Developing Mini-Lessons on Video Tape for Use in Units of Instruction for Child Day-Care Center Personnel, University of Louisville, Louisville

7. Innovative Program for Achieving the Goals of Education in Human Relations and Occupational Competency (Grades &-12, Owensboro/Daviess Co. School System, Owensboro

8. A Triangular Teaching Process; Using Mass Communication, Daviess County, Owensboro

RESEARCH RELATED ACTIVITIES:

1. The Bureau of Vocational Education is currently developing Competency Based Education curriculum

materials based upon the catalogs of objectives developed through the Vocational-Technical Education Consortium of States (V-TECHS). In-Service education on the use of these materials is to be conducted during the spring and summer of 1975 with field testing being conducted during the 1975-76 school year.

PROJECTS AND ACTIVITIES PLANNED:

1. The Research Unit is conducting a Delphi type survey, using respondents of education and business and industry located in all geographical regions of Kentucky, to identify the major problems, concerns and needs for the advancement of Vocational Education in the State. This information will be combined with input from the State Advisory Council for Vocational Education, national priorities and other sources to develop the Research and Development priorities for Vocational Education in Kentucky for FY 1976 and, ultimately, the research and development program budget for FY 1976.

LOUISIANA

Kirby K. Awagain, State Director of Vocational Education
Florent Hardy, RCU Director

NO REPORT RECEIVED

MAINE

Elwood A. Padham, State Director Vocational Education
Charles W. Ryan, RCU Director

PROJECTS COMPLETED:

1. An In-School Job Placement Service for Secondary School Students, Mt. Ararat High School SAD #7
2. Development of Demonstration Modular Curriculum, Lewiston Comprehensive High School
3. The Effects of Selected Instructional Strategies on Learning Efficiency in Voc-Tech Educational Programs, College of Education, University of Maine
4. Career Education Within the University of Maine System, College of Education, University of Maine
5. National Instructional Television Career Education, College of Education, University of Maine
6. Student Characteristics & Success In Selected Voc-Tech Training Programs: Extended Analysis & Interpretation, College of Education, University of Maine
7. Career Awareness Curriculum Project, University of Maine

NEW PROJECTS FUNDED:

1. A Career Education Mini-Course In Health Occupations, Telstar Regional High School, Northern Oxford Voc. Area Region #9
2. Achieving Career Awareness, Boothbay Region High School
3. The Effects of Selected Instructional Strategies on Learning Efficiency in Voc. Tech. Education Programs: Phase II, SAD #9
4. STRIVE - Student Training REalized In Voluntary Exploration, Livermore Falls High School, SAD 36

5. Cooperative Vocational Education Training Programs for Cashiering, Orono High School

6. Development of Multi-Media Career Units for Use With Students In Higher Education, University of Maine

7. NOW - New Opportunities for Work, Lewiston Public School District

8. Career Education - Grades K-12, SDA #9

9. Affective Teaching for Learning Affective Skills Today: This program is designed to establish a set of attitudes for work for graduating high school seniors entering the job market, Capitol Reg. Voc. Tech. Center

10. COPE: The intent of this project is to develop on-going job development, placement and follow-up activities in an urban setting. A screening process will be used to match students with jobs who have gone through a 26 week program of pre-work education, Biddeford High School

11. Modular Curriculum: A series of individualized instructional approaches in specific content areas will be developed in vocational education; supported by video tapes made by the instructors and cross-articulated with the academic subjects of English, US history, science and math, Lewiston Regional Vocational Center Lewiston High School

12. Seniors at Mt. Ararat will be given career placement assistance. Follow-up activities on the graduating class of 1974 has begun with 75% participation from former students. A series of in-class activities will occur with each content area to assure that a set of pre-job skills have been acquired. A team of professional within the school will assist in selecting screening, referring and placing students to supplement the staff of the project, Mt. Ararat High School

13. A project with the Bureau of Labor Education at the

Maine

University of Maine will design a curriculum to teach high school students about labor laws which are designed to protect the worker. The finished curriculum will be taught to teachers in specific regions in Maine to familiarize them with instructional strategies to use in the teaching of the curriculum to high school students, Bureau of Labor Education University of Maine

RESEARCH RELATED ACTIVITIES:

1. Development and publication of a trainer's manual for career education - published in November, 1974.

PROJECTS AND ACTIVITIES PLANNED:

1. A series of inservice training seminars for school superintendents will be conducted in February and March, 1975. The purpose of these seminars will be to demonstrate career education materials and ideas for implementation in the schools.

2. Our two research projects will be funded to conduct follow-up studies of four vocational education programs. The programs to be selected will be from both the secondary and post secondary areas.

3. The development of an apprenticeship guide for school counselors will be contracted during this period.

4. A research project to identify new and emerging opportunities in Maine will be funded.

MARYLAND

James L. Reid, State Director of Vocational Education
Gary Green, RCU Director

NO REPORT RECEIVED

MASSACHUSETTS

Patrick J. Weagraff, State Director of Vocational Education
Jack Sweeney, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. Project E/D Model (A Diffusion Model for Adult Education), Assabet Valley Regional Vocational Technical School, Marlboro

2. Project CEDIS (Career Education Dissemination Services), Greater Lawrence Regional Vocational Technical School, Lowell

3. Project CAREER (Computer Assisted Research for Educational Relevance), Blue Hills Regional Vocational Technical School, Randolph

RESEARCH RELATED ACTIVITIES:

1. Provided resource material for Curriculum Development and Management to fourteen Occupational Competence Model Projects

2. Provided Resrouce Material for Curriculum Development and Management to twenty-seven Occupational Competence Planning Projects

3. Provided Technical Assistance to Division Staff Members for attaining the State Goal of Occupational Competence

4. Established Project for Third Party Evaluation of Occupational Competence Projects

PROJECTS AND ACTIVITIES PLANNED:

1. Establish and supervise three Exemplary Projects which offer an Interrelated Curriculum for grades seven through twelve, encompassing three or more Occupational Clusters and servicing students through a Collaborative Effort. One Project will be established in each of the following environments: a) Rural b) Suburban c) Urban

MICHIGAN

Addison Hobbs, State Director of Vocational Education
Stanley Rumbaugh, RCU Director

PROJECTS COMPLETED:

1. Career Achievement Skills Training Program (CAST), The School District of the City of Pontiac, Pontiac

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. Continued development and begin installation of the Vocational Education Information Support System, with emphasis on the program-course-section component and partial automation of the new/revised program applications evaluation process

2. Assisted in refinement of student followup system

3. Development of data collection instruments which will be used to collect information to improve the long range planning capabilities of community colleges in all areas of Vocational-Technical Education

4. Aid in the evaluation of a comprehensive instructional unit on competency based instruction

5. Development of a Planning Guide for Career Education

6. Development and testing of inservice materials (including publication and AV materials) for various audiences related to Career Education

7. Development of Resource publications related to the implementation of Career Education

8. Initiation of a Career Exploration Program development effort

Michigan

9. Assisted in the dissemination of Career Education, using many of the materials produced in the above activities (5-8)

PROJECTS AND ACTIVITIES PLANNED:

1. Assist in the operation and training programs for vocational educators in the use of local advisory councils

2. Assist in the operation and evaluation and workshops for vocational educators in the use of competency based instruction

3. Continue development of the Vocational Education Information Support System

4. Expand dissemination efforts in the area of Career Education

5. Enlarge the Planning Guide for Career Education to include program development and evaluation procedures

6. Expand the Career Exploration program development, plan for and conduct initial testing

MINNESOTA

Robert P. Van Tries, State Director of Vocational Education
Jerome Moss, Jr., RCU Director

PROJECTS COMPLETED:

1. Career Education in English, Roseville Area Schools; Roseville

2. Career Education for Urban Youth - Phase 2, Independent School District No. 625; St. Paul

3. International Vocational Studies in Advanced Culinary Arts, Independent School District No. 287; Suburban Hennepin County AVTI

NEW PROJECTS FUNDED:

1. Research Coordinating Unit for Vocational Education University of Minnesota

2. Area School Follow-Up System, University of Minnesota

3. Secondary Health (Exploratory) Occupations Program - Consultation and In-Service Training, Anoka-Hennepin School District No. 11

4. Curriculum for Occupational Education, Minneapolis Public Schools

5. Minnesota Instructional Materials Center, 916 Area Vocational Technical Institute

6. Addendum to the Work Plan for Technical Assistance to the Division of Vocational-Technical Education, Education Management Service, Incorporated

RESEARCH RELATED ACTIVITIES:

1. Procedure for Planning and Evaluating Senior High Vocational Education Programs, Division of Vocational-Technical Education, Minnesota Department of Education, funded from Commissioner's Discretionary monies, Part C,

Minnesota

1. of P.L. 90-576. This project is known within the state as S.P.A.C.E. - Student Placement and Counseling Effort. Phase I focuses on assisting 12th grade students in four pilot schools with educational and/or job placement, and acquiring the skills and knowledges necessary for placement.

PROJECTS AND ACTIVITIES PLANNED:

1. Activity will continue in all on-going projects. Vocational education research and development priorities within Minnesota will be reviewed and revised by the Minnesota Research and Development Review Committee so as to reflect current needs in Minnesota. The Research Coordinating Unit's work plan for fiscal year 1976 will be developed during this period.

MISSISSIPPI

Troy V. Majure, State Director of Vocational Education
James E. Wall, James F. Shill, RCU Co-Directors

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. Mississippi Research and Curriculum Unit, Mississippi State University
2. Evaluation of an Urban Career Ed Project in MS Delta, Mississippi State University
3. Evaluation of N'East MS Career Opportunities Program, Mississippi State University
4. Evaluation of Louisville, McComb, & Winona School Systems Career Education Projects, Mississippi State University
5. Vocational-Technical Ed Consortium of States (V-TECS), Mississippi State University
6. Evaluation of a Career Ed Project on MS Gulf Coast, Mississippi State University
7. Evaluation of Three-Rivers Career Ed. Project EXPLORE, Mississippi State University
8. Louisville, McComb & Winona School Systems' Career Ed. Project, Louisville, McComb & Winona
9. Vocational Developmental Reading Project, University of Southern Mississippi

RESEARCH RELATED ACTIVITIES:

1. Assist in implementation and development of career education in the State
2. Development of performance objectives catalogs on plumbing and groundskeeping

Mississippi

3. Development of statewide system for determining vocational reimbursement for local programs

4. Evaluation and monitoring of funded research projects in Mississippi

5. Assist State Advisory Council in conducting evaluation of voc-tech education

6. Assist in development of EPDA plan

7. Assist in research proposal development for local school systems, junior colleges, and universities

PROJECTS AND ACTIVITIES PLANNED:

1. Activities planned are similar to those in the above section

2. Conduct regional EPDA project on Training State Departments of Education personnel

3. Mississippi Research and Curriculum Unit

4. Evaluation of an Urban Career Education Project in the Mississippi Delta

5. Evaluation of Northeast Mississippi Career Opportunities Program

6. Evaluation of Louisville, McComb, and Winona School Systems' Career Ed. Projects

7. Vocational-Technical Education Consortium of States (V-TECS)

8. Evaluation of a Career Education Project on Mississippi Gulf Coast

9. Evaluation of Three Rivers Career Education Project EXPLORE

MISSOURI

B. W. Robinson, State Director, Vocational Education
Glenn W. White, RCU Director

PROJECTS COMPLETED:

1. Read, Listen, and Learn About Work, Pattonville School District

2. A Proposal to Reproduce and Disseminate Individualized Business and Office Materials, and to Provide Technical Assistance to Four Selected Public Schools in Missouri, State Fair Community College

3. Establishing Vocational Skills in Severely and Profoundly Retarded Individuals, St. Louis State School and Hospital

4. Career Awareness Selection and Occupational Training in Agri-Business, Chillicothe R-II School

5. Analysis of Mathematical Skills in Mechanical Engineering Technology (MET) at Florissant Valley Community College

6. Analysis of Student Mathematical Skills in Civil Engineering Technology at Florissant Valley Community College, Florissant Valley Community College

7. Development of an Individualized Instruction Module: Use of the Metric System: Weight, Linear and Volume, Florissant Valley Community College

8. Phelps County Vocational Development Clinic, University of Missouri-Rolla

9. A Feasibility Study to Determine an Alternative Method of Cooperative Work Experience by Block Time in a Major Metropolitan Area for Community Colleges, Longview Community College

10. Feasibility Study on the Need for Developing a Curriculum for Corrections Personnel and the Type of Curriculum Necessary, Longview Community College

Missouri

11. A Slide/Tape Presentation on Computerized Accounting Applications

12. Investigation of the Needs of the City of St. Louis for Paraprofessionals in Home Economics, Forest Park Community College

13. Work Concepts of Children, University of Missouri-St. Louis

14. Preparation of a Sound-On Slide Tape as a Media for Effectively Communicating Career Information and Opportunities Available at the Two Vocational-Technical Schools of St. Louis County, Special School District of St. Louis County

NEW PROJECTS FUNDED:

1. Preparation of a sound-on slide tape as a media for effectively communicating career information and opportunities available at the two vocational-technical schools of St. Louis county, Special School District of St. Louis

RESEARCH RELATED ACTIVITIES:

1. Conducted information retrieval and dissemination activities including a total of 478 searches resulting in the distribution of 1,695 microfiche.

2. Provided consultative assistance in carrying out project proposals.

3. Conducted eight MOTIS orientation workshops at various locations across the state.

4. Distributed and reported on the 120-day follow-up study of Vocational-Technical students completing occupational training programs within the state.

5. Collected enrollment and completion reports from all reimbursable vocational programs in Missouri.

Missouri

6. Coordinated the MOTIS activities with the two contracted agencies of the University of Missouri. These are the Statewide Testing Service and the Public Affairs Information Service (PAIS).

7. Developed various computer programs for the dissemination of MOTIS materials to meet various request both in the vocational-technical division and in the local education agencies.

8. Coordinated, distributed and collected the SAC-1's and SAC-CS's with approximately 450 school districts, state institutions, junior colleges, colleges, and universities.

9. Conducted a workshop for decision-makers and program planners in vocational education.

10. Held special conferences with public school personnel in St. Louis and Kansas City regarding MOTIS procedures and use of information collected.

11. Assisted local school districts with special problems concerning the MOTIS project.

12. Solicited Level I and II research projects on a statewide basis.

13. Chaired committee to revise the on-site evaluation procedures and report forms for evaluations of occupational programs in the area vocational schools and community junior colleges.

14. Appointed and met with a committee of consultants to review, analyze, and rate research proposals submitted to the Research Coordinating Unit for possible funding this fiscal year.

15. Participated in eleven regional workshops for vocational/technical education.

PROJECTS AND ACTIVITIES PLANNED:

1. Continued activities in information retrieval and dissemination.

2. Monitor approved research projects.

3. Continued development of materials, methods and procedures for the Demand Component, Student Accounting Component, Resource Inventory Component, and Manpower Supply Component.

4. Review and rate research prospectuses.

5. Continued activities in the information retrieval and dissemination.

6. Monitor approved research projects.

7. Review Level I and II research proposals to determine those which are to be approved.

8. Continue the development and implementation of materials and procedures for the Missouri Occupational Training Information System.

MONTANA

Benjamin Ulmer, State Director of Vocational Education
Robert Lehman, RCU Director

PROJECTS COMPLETED:

1. Management Information System for Vo-Ed, Finance, Planning and Evaluation Component, Office of Superintendent of Public Instruction, Helena

NEW PROJECTS FUNDED:

1. Identification of common competencies across related jobs in agriculture products and resources, Montana State University, College of Agriculture, Bozeman

RESEARCH RELATED ACTIVITIES:

1. We are continuing the process of building more parts of our Management Information System for vocational education. We are in the process of modifying the high school portion (completed earlier) to comply with the new Privacy Act which is expected to pass.

PROJECTS AND ACTIVITIES PLANNED:

1. We are contemplating developing guidelines for procedures to be used by classroom teachers in vocational education in Montana to apply for mini-grants.

NEBRASKA

Glen H. Strain, State Director of Vocational Education
Elton B. Mendenhall, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Development of a proposal to implement and test the Nebraska Vocational Information System (U.S. Commissioner's Discretionary Part C)

2. Development of Operational Guidelines for the Nebraska RCU at University of Nebraska

3. Disseminated project report of "Business and Office Education Guide," a research competency study

4. Attended National Conference on Management Information Systems and Manpower Projection Systems

5. Recruitment, coordination, and review of research and exemplary proposals for fiscal 1975

6. Monitor and evaluation of ongoing projects

7. Identification of vocational research priorities for fiscal 1976

8. Employed RCU Research Assistant and additional secretarial assistance

9. Total Library Activity:
   a. Library materials checked out = 205
   b. Persons served = 144
   c. Computer Searches = 33
   d. Other documents distributed = 6,524

Nebraska

PROJECTS AND ACTIVITIES PLANNED:

1. Preparation of proposals for submittal to the Nebraska State Board for Vocational Education

2. Processing and coding of employer data for the 1975 Occupational Opportunities Study

3. Program monitoring and evaluation (research and exemplary)

NEVADA

R. Courtney Riley, State Director
Len L. Trout, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Surveys: Meetings were held with representatives from the Washoe County School District, the Western Nevada Community College, the VEPDA Coordinator, REPC staff and the RCU Director. It was determined to develop a model for conducting a vocational education needs assessment within the geographic area served by the Western Nevada Community College. The study would be conducted by a person or persons who would develop a model and field test the same within the area. It was planned that this model would be adapted by the other two Community College areas in the state. Since many of the smaller districts do not have the job market potential of supporting their vocationally trained graduates, the larger geographical area would serve as the base. It is anticipated that the field testing would be done in the fall of 1975 and be available for support of the FY'77 State Plan.

2. Search Services: The RCU Curriculum and Resource Library had the following usage during this reporting period: 22 walk-in users; 19 phone and mail requests; 4 information search requests.

3. Dissemination: In addition to the search services, approximately 1,475 copies of the attached RCU Report was sent via mail to each vocational educator, administrator and board member in Nevada. In addition, a broad-based nation-wide RCU compiled list of prominent persons in vocational education received copies. Requests have been extremely heavy on Vol. 9 No. 3 and 4. Our present supply is exhausted. Copies of this RCU Report are attached.

4. Monitoring: The RCU Director has been in contact with the Part C and D projects in the state. The final report on the Elko project (Part C) is expected from the evaluation in February 1975.

5. Curriculum Resource Collections: The Collection has undergone an extensive remodeling. Additional shelf space was acquired (at no cost to the RCU) and a complete revamping of the Collection has been started under the direction of Dr. Evalyn Dearmin. This should be completed by summer of 1975. New additions to the Collection include: 120 microfiche; 67 documents; 14 subscriptions to periodicals. In addition to the above identified activities, the entire professional staff of the Research and Educational Planning Center, College of Education, University of Nevada, Reno was available to the State Director and the Director RCU for advice and consultation upon demand.

PROJECTS AND ACTIVITIES PLANNED: NONE

NEW HAMPSHIRE

Neal D. Andrew, State Director of Vocational Education
Lila Murphy, RCU Director

PROJECTS COMPLETED:

1. Task Analysis Development, Kennett High School, Conway

2. N.H. Career Model for Educationally Disadvantaged Adults - Technical Assistance, Project Second Start, Concord

3. Design of Four-Year Baccalaureate Program in Vocational Teacher Preparation, Keene State College

4. LPN/ADN Transition Project, N.H. Technical Institute

5. Follow-Up Study of Students Exited from Selected Vocational Education Programs in New Hampshire Schools, University of New Hampshire and N.H. RCU

6. Curriculum Revision Planning Research Grant, N.H. Vocational-Technical College-Claremont

NEW PROJECTS FUNDED:

1. Information System for Career Guidance, Manchester School Department

2. Concord Career Education Project-Implementing Computer Guidance and Resource Center Component, Concord School District

3. Project Challenge - Planning Grant, Claremont School District

4. Phase II - Needs Assessment Project, Keene State College

5. Statewide Curriculum Development Model, Keene State College

New Hampshire

RESEARCH RELATED ACTIVITIES:

1. Coordinate development of State Plan (Division of Vocational-Technical Education, Division of Post-Secondary Education and N.H. Advisory Council for Voc-Tech Education)

2. Completion of required Vocational Education Federal Reports

3. Cooperative development of proposal for State-wide Occupational Information System (Project to be funded by Department of Labor thru New Hampshire Manpower Affairs Office)

4. Wrote proposal for a State MIS System (Commissioner's Part C funds)

5. Designed instruments for state-wide collection of data on vocational education programs and services. Consolidated all data requested for locals into one format.

PROJECTS AND ACTIVITIES PLANNED:

1. Will collect reliable basic data needed for a comprehensive MIS and federal reports. (State funds to be used with hopes of receiving Part C funds in June, 1975 to continue project. Two additional components will be development of a state-wide program evaluation model and establishment of an occupational information resource center.)

2. Designing a model for long-term curriculum development in cooperation with the State of Vermont. Continue initial efforts to develop performance-based curricula.

3. Assisting agencies interested in applying for Part D 142(c) Exemplary funds

4. Continue to work with Part C 131(a) project designed to develop a state model for Career Guidance, Counseling and Placement

NEW JERSEY

Mr. Stephen Poliacik, State Director of Vocational Education
Joseph Kelly, RCU Director

PROJECTS COMPLETED:

1. Occupational Research Center, Edison Twp. Bd. of Education
2. Orientation to Work, Rutgers University
3. Management Information System, Asbury Pk. Bd. of Education
4. In-Service Teacher Education, Glassboro State College

NEW PROJECTS FUNDED:

1. Education for Occupations, Rutgers University
2. Fire Fightin, Burlington Co. Voc.
3. Technology for Children Study, Mansfield Twp. Bd. of Education
4. Management Training Program, Essex Co. Voc.
5. Curriculum Research, Hudson Co. Voc.
6. IACP, Trenton State
7. Occupational Research Center, Edison Twp.
8. Model for Cost Study, Rutgers University
9. Orientation to Work, Rutgers University
10. Management Information System, Asbury Pk. Bd. of Education
11. Career Maturity Among 8th Grade Disadvantaged, Lakewood Bd. of Education

12. Effectiveness of Videotape Instruction/Teaching, Kean State College
13. Articulation Project, Essex Co. Voc.
14. Career Decision Process, Edison Twp.
15. Career Development Articulation, Middlesex Co. CC
16. Career Resource Center, South Amboy Bd. of Education
17. Career Development, South Brunswick
18. Career Development Study, Middletown Twp.
19. Career Development, Middletown Twp.
20. Articulation Project, Ocean Co. Voc.
21. Articulation Project, Warren Co. Voc.
22. New Jersey Career Development Project, 29 Municipalities

RESEARCH RELATED ACTIVITIES:

1. Prepared Special Papers
   a. Feedback
   b. Career Education Progress
   c. Current Research
2. Conducted Workshops on Career Education
   a. Affective Domain
   b. Teacher and Student Made Media
   c. Introductory ERIC and Recent Developments
   d. Historic New Jersey Occupations
3. Conducted Workshops on Research Utilization and Dissemination

New Jersey

4. Coordinated Activities of the Northeast Regional Curriculum Network
   a. Conducted two Network meetings
   b. Published Network Newsletter
   c. Attended three National Network Council Meetings
   d. Developed New Jersey Curriculum in Progress publications

5. Assisted in development of a County planning and funds distribution model

PROJECTS AND ACTIVITIES PLANNED:

1. Continue operation and expansion of occupational resource centers.

2. Continue conferences and workshops in information dissemination and curriculum development.

3. Continue Northeast Network curriculum coordination and national council activities.

4. Assist in further development and refinement of County planning and funding system.

5. Support the development of the New Jersey Model for Career Development.

6. Prepare additional special papers and newsletters.

7. Continue application of State EPPBS for planning, administration and evaluation of career development activities.

8. Plan, initiate and support research, planning, evaluation, curriculum development, information dissemination and other innovative activities.

NEW MEXICO

James B. West, State Director of Vocational Education
Roger A. Labodda, RCU Director

PROJECTS COMPLETED:

1. Career Ladder (Nursing), Margaret Scarborough

NEW PROJECTS FUNDED:

1. Curriculum Development, George Amsbary
2. Vocational Guidance, Lena Castillo
3. Industrial Arts/Career Education, Waymond Smith

RESEARCH RELATED ACTIVITIES:

1. Renewed Penasco Project (2nd year)
2. Attended Western Regional RCU Conference
3. Attended Fifth Annual RCU Conference
4. Implemented EPDA Itinerant Teacher Program
5. Attended conference on "Women in the World of Work"
6. Coordinated New Mexico's portion of EPDA Region VI Conference
7. Started Vocational Education follow-up project
8. Submitted quarterly reports
9. Supplied manpower reports to program managers
10. Wrote Part C proposal
11. Monitored EPDA projects
12. Submitted Annual Report to Dallas
13. Collated completion forms into Annual Report

New Mexico

14. Expanded Public Relations duties for Vocational Education

15. Attended AVA Manpower Systems Presession in New Orleans

16. Researched vocational post-secondary funding for State Board of Education

PROJECTS AND ACTIVITIES PLANNED:

1. Meet with RCU Advisory Committee and EPDA Advisory Committee

2. Write State Plan for Vocational Education

3. Write EPDA, Part F, proposals

4. Write Part D proposal for manpower information

5. Disseminate publicity forms

6. Plan Western Regional RCU Conference

7. Continue manpower report to program managers

8. Plan Sixth Annual Vocational Education Conference

9. Submit quarterly reports to Dallas

10. Assist in writing and developing proposals originating outside the SDE

11. Monitor Parts C and D projects

12. Continue data retrieval for VTIS

13. Submit State Plan to State Advisory Committee for Vocational Education and State Board of Education

14. Print Annual Report

New Mexico

15. Work with Employment Security Commission on manpower information

16. Work on Special Projects as directed by Assistant Superintendent for Vocational Technical and Adult Education

NEW YORK

Robert S. Seckendorf, State Director of Vocational Education
Louis A. Cohen, RCU Director

PROJECTS COMPLETED:

1. How to Evaluate Inservice Workshops
2. New York Educators and the Metric System
3. Occupations Requiring Credentials

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. "Bread and Butterflies" Evaluation - - Pretests distributed and completed; films distributed.
2. A staff member wrote a report on the distribution of postsecondary VEA funds. Final copy was prepared for editing and printing.
3. No progress on success criteria for practical nurse programs.
4. Meetings were held at CUNY R&D Center to discuss projects for year.
5. A staff member prepared a career education report for the Annual Report for Occupational Education.
6. A staff member collected objectives, developed categories, and developed leadership attributes that will serve as criteria for the development of criterion referenced observations.
7. A staff member developed career path training modules for Rockland Psychiatric Center.
8. An alternate plan for a single, united, Occupational Youth Organization was developed and discussed with state, regional, and local level club advisors.

9. The "Values" position paper was revised and resubmitted to the Regents.

10. Multiple drafts of proposed research studies done on the basis of the State Plan recommendations were prepared.

PROJECTS AND ACTIVITIES PLANNED:

1. Design study and compile internal data for success criteria for practical nursing programs.

2. Preparation of an elementary career education inventory.

3. Prepare report for Annual Report upon completion (June 1975) of career projects.

4. Staff participation in structuring and development of New York State manual in career education.

5. Summarize data and write evaluation report for Consumer Homemaking Workshop.

6. Summarize data and write evaluation report for evaluation of Home Economics Module Workshop.

7. Complete EPDA Leadership Development Evaluation System.

8. Complete descriptive portion of Industrial Arts Mobility Study.

9. Begin inferential and multivariate analysis of Industrial Arts Mobility Study.

10. Analyze data from the study, "Effect of Dunning Letters on Response Rate of Survey Forms."

11. Participation in Bureau of Trade and Technical Education and Bureau of Health Occupations Education workshops.

NORTH CAROLINA

Charles J. Law, State Director of Vocational Education
Charles Rogers, RCU Director

PROJECTS COMPLETED:

1. "Summer Institute for High School Students: A Research in Pre-vocational Education", Pitt Technical Institute at Greenville

NEW PROJECTS FUNDED:

1. "Articulation of Occupational Education Programs Between Secondary Schools and Technical Institutes/ Community Colleges", James Sprunt Institute and Duplic County Schools at Kennansville

2. "The Development of Modular Instructional Materials for Physics for One-Year Vocational Students", Forsyth Technical Institute at Winston-Salem

3. "Criterion Referenced Evaluation of Administrators and Faculty in Technical Institutes/Community Colleges" Carteret Technical at Morehead City

4. "An Assessment Procedure to Determine the Effectiveness of Individual Instruction Approaches in the Technical Institutes and Community Colleges of North Carolina", University of North Carolina at Greensboro

5. "The Development of a Suggested Model for Keeping Vocational and Technical Education Teachers Updated in their Fields", Durham Technical Institute at Durham

6. "Curriculum Development in Occupational Exploration" Tarboro City Schools

RESEARCH RELATED ACTIVITIES:

1. Development of a Guide for Director of Occupational Research Projects

2. Conducted two workshops for the Southern Association of Colleges and School on Information Systems for Local Planning

3. Presented a paper entitled "Biographical and Academic Correlates of High School Completion" to the South-wide Research Coordinating Council on Occupational Education.

4. Served on the Planning Committee for the 1975 RCU Personnel Conference

5. Assisted with the planning and development activities for establishing a Marine Science Occupations program

6. Monitored 12 ongoing research projects

7. Assisted with the development and submission of 16 proposals for Part C (Commissioner's Share) funds

8. Made initial plans for our first ORU Dissemination Conference

PROJECTS AND ACTIVITIES PLANNED:

1. Determine occupation research priorities for 1975-76

2. Conduct the ORU's first annual statewide dissemination conference

3. Complete a slide-tape presentation on products of ORU research

4. Prepare three articles for national research journals

5. Help plan and make a major presentation at the National RCU Conference

6. Plan a project to investigate alternative teacher education delivery systems.

7. Fund four new projects in community college occupational areas

NORTH DAKOTA

Carrol E. Burchinal, State Director of Vocational Education
Donald Eshelby, RCU Director

PROJECTS COMPLETED:

1. Preparation of Study Guides and Audio-Visual material for Agribusiness and Natural Resources Courses., Fargo Public Schools John Nowatzki

2. The Development of Learning Activity Packages for Agribusiness Courses. UND-Williston Branch Wayne Berry

3. Model Store Curriculum - A Developmental Model for North Dakota Schools. Fargo Public School Todd Goschen

NEW PROJECTS FUNDED:

1. Career Development Institute Attendee Follow-up Survey, North Dakota State School of Science Richard Hauck

2. A Follow-up Study of Trade, Industrial, and Health Graduates, North Dakota State School of Science Wally Noragaard

3. A Study to field Test a Supervised Occupational Experience Manual, Dickinson Public Schools Ted Renner

4. Agribusiness Learning Activity Audio-Visual Development, Bismarck Junior College Leonard Larshus

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. The Preparation of a Master Plan for North Dakota Industrial Arts Programs.

2. A series of Workshops on Research Proposal Preparation for North Dakota Teachers.

North Dakota

3. Development of a Safety Handbook for North Dakota Schools utilizing OSHA Legislation.

4. Occupational Foods Study.

5. A Study to determine the Feasibility of Computerized Searches of the AIM/ARM micro fiche collection.

OHIO

Byrl R. Shoemaker, State Director of Vocational Education
R. D. Balthaser, RCU Director

PROJECTS COMPLETED:

1. Model Legislation for Job Development, Training, and Placement, American Vocational Association Washington, D.C.

NEW PROJECTS FUNDED:

1. Model State-Wide Delivery System of Career Education (V361040L), Ohio Department of Education

2. 1974-75 Career Development Product Evaluation, Policy Studies in Education Education

3. Model Pre Postsecondary Education Program for Students in Grades 11 and 12 (V361040L), Ohio Department of Education

4. Three Pilot Career Education Programs for K-10 in Ohio (V361105, new #F5004VW), Ohio Department of Education

5. Career Orientation Student Materials (7-8) in 9 of 15 Clusters, Educational Research Council of America, Cleveland, OH

6. Supportive Vocational Education Thrusts in Career Development Delivery System (3phases) (V0126VZ), Ohio Department of Education

7. Career Development Program, Akron City Schools

8. Career Development Program, Benton-Carroll-Salem Local Schools

9. Career Development Program, Boardman Local Schools

10. Career Development Program, Canton City Schools

11. Career Development Program, Carlisle Local Schools

Ohio

12. Career Development Program, Cincinnati City Schools
13. Career Development Program, Clear Fork Valley Local Schools
14. Career Development Program, Cleveland City Schools
15. Career Development Program, Cleveland Heights-Univ. Heights City Schools
16. Career Development Program, Columbus City Schools
17. Career Development Program, Dayton City Schools
18. Career Development Program, E. Muskingum Local Schools
19. Career Development Program, Geneva Area City Schools
20. Career Development Program, Kirtland Local Schools
21. Career Development Program, Lorain City Schools
22. Career Development Program, Mad River-Green Local Schools
23. Career Development Program, Mansfield City Schools
24. Career Development Program, Medina City Schools
25. Career Development Program, Minford Local Schools
26. Career Development Program, Orrville City Schools
27. Career Development Program, Parma City Schools
28. Career Development Program, Princeton City Schools
29. Career Development Program, Scioto-Darby City Schools
30. Career Development Program, South-Western City Schools
31. Career Development Program, Springfield City Schools
32. Career Development Program, Stow City Schools
33. Career development Program, Toledo City Schools

Ohio

34. Career Development Program, Warren City Schools

35. Career Development Program, Willoughby-Eastlake City Schools

36. Career Development Program, Youngstown City Schools

37. Pre-Postsecondary Instructor Training, Kent State University

38. Continuation of Pre-Postsecondary Education Program in Engineering and Health Occupations for High School Students in Grades 11 and 12, Akron City Schools

39. Continuation of Pre-Postsecondary Education Program in Health Occupations for High School Students in Grades 11 and 12, Penta County JVSD

40. Continuation of Pre-Postsecondary Education Program in Business, Engineering, Health and Social Science Occupations for High School Students in Grades 11 and 12, Great Oaks JVSD

41. Researching and Developing a Program for High School Students in a Small Academic High School with Limited Vocational Diversification, Wyoming City Schools

42. Developing a Model Regional Vocational Education Planning Unit for Southwestern Ohio, Greene County JVSD

43. Conducting the Feasibility of a 5-Year Follow-up Study Utilizing IRS Information, Institute for Research Studies

RESEARCH RELATED ACTIVITIES:

1. Commissioner "I" Transportation Curriculum Project Phase II, Ohio Department of Education.

2. Automation of Accounting System ofr Interface with Reporting System - Phase II (Moving to immediate retrieval), Ohio Department of Education.

Ohio

3. Program Review for the Improvement, Development and Expansion of Vocational Education and Guidance (PRIDE) - 5th year completion of cycle with 21 Vocational Education Planning Districts including continued Cost Analysis, Ohio Department of Education.

4. Converting statistical and fiscal system to "real" time operation for management activities of staff including: Linked EPDA project to develop labor market forecasting system, MBO forecasting system based on LEA training and reporting, Ohio Department of Education.

5. Research Coordination Unit - continuation, Ohio Department of Education.

PROJECTS AND ACTIVITIES PLANNED:

1. FY 75 Pre-Postsecondary Program Evaluation, Kent State University.

OKLAHOMA

Francis T. Tuttle, State Director of Vocational Education
Wm. Don Frazier, RCU Director

PROJECTS COMPLETED:

1. An Analysis of the Use of "Expressions"

2. A Parallel Follow-up Study to Establish Validity of the Follow-up Component of Oklahoma's Student Accounting System

3. A Survey of Attrition Factors of Vocational Teachers

4. A Study to Identify Success Factors of Skill Training at Ouachita and Lexington Inmate Training Centers

5. The Development and Testing of a Linear Programming Technique for Optimizing Occupational Training Program Combinations Publications

6. A Composite Evaluation Report of the Mobile Career Development Program, 1973-1974

NEW PROJECTS FUNDED:

1. The Relationship of Selected Teacher Characteristics to Program Success in Oklahoma

2. A Study of the Validity of Selected Vocational Curriculum Guides

3. Tasks Performed by Diesel Mechanics With Less Than Two Years Experience in the Occupation

4. Development of a Plan for Criterion Referenced Testing of Curriculum Guides

5. A Survey of Manpower Needs in the Data Processing Occupations

6. A Statistical Analysis of Gross and Net Demand in Selected Occupations as Reported in Six OTIS Cycles

Oklahoma

RESEARCH RELATED ACTIVITIES:

1. Training in 12 additional state departments under an EPDA grant.

2. Proposal approved to implement in 40 agencies of state government in Oklahoma.

3. Training and implementation continuing in local education agencies.

4. Submitted "Emergency Medical Service Personnel Training Sysemt" proposal to the Division of Emergency Medical Services, Oklahoma State Dept. of Health.

5. Evaluated 118 programs in 39 local school.

6. Developed state budget proposal for FY 1976.

7. Funded eleven mini-grants (from exemplary funds).

8. Generated two research proposals (131 (a)).

9. Completed analysis and developed OTIS Cycle VII report.

PROJECTS AND ACTIVITIES PLANNED:

1. Complete proposal to EPA for construction of a wastewater employee-training facility together with an administrative plan for statewide occupational training in environmental protection.

2. Complete proposal to Labor Department for development of a comprehensive dissemination of occupational imformation system new.

3. Major activity will relate to the six-in-house projects listed on page 1, and to the projects reported previously but not yet completed.

4. MBO training at several levels, evaluation of local programs, dissemination of information, development of the FY 1976 State Plan, and preliminary study of needs for OTIS Cycle VIII are continuing activities of the Division.

OREGON

Monty E. Multanen, State Director of Vocational Education
Eugene Vinarski, RCU Director

PROJECTS COMPLETED:

1. PCE K-10 Portland Public Schools (Part C Commissioners), Portland Public Schools

2. SIXCO Halheur IED (Part C Commissioners), Malheur, IED

NEW PROJECTS FUNDED:

1. Implementation of Integrated Foreign Language and Career Education, Clackamas Community College

2. Utilization of Applied Research in Career Education Programs, John Adams High School

3. A Creative Career Ed. Language Arts Program for Disadvantaged, Portland Area III

4. Consortium for Planning, Developing and Implementing Exploratory Industrial Arts Careers, OSU

5. An approach to Changing Teacher Attitudes and Upgrading Teacher Information about Career Education, Grants Pass #7

6. Community Involvement with Disadvantaged Students, Klamath County SD

7. Guidance Awareness Program, Narrowing the Gap Between Home and School, Bend School District

8. Elementary Career Awareness, Eugene 4 J

9. Integration of Career and Consumer Ed. a Reading and Language Arts Program Level Goals, Protland-Area III

10. Improving Instruction in Innovative areas Through Improved Administration, Lane Community College

Oregon

11. Local Production of Relevant Awareness - Exploratory Media, Central S.D. 13 J

12. Refinement, Implementation and Dissemination of Career Exploratory, Vale High School

13. The Oregon Vo-Tech Math Project, Linn Benton C. C.

14. Interrelating Music and Career Education, Portland Public Schools

15. Utilizing Community Resources, Multnomah County IED

16. Exemplary and Innvoative Career Exploratory Program, Sherwood School District

RESEARCH RELATED ACTIVITIES:

1. Current status of Statewide follow-up of Vocational Students.

2. Current status of the "Oregon Career Education Document System".

3. Current status of Manpower/Curriculum Management System with use of Part C Commissioners funds.

PROJECTS AND ACTIVITIES PLANNED:

1. The Department of Education will publish two interim reports during the six month period ending June 30, 1975. One reflecting the high school follow-up information and a second reflecting the community college student follow-up information.

2. The Coordinator of Applied Research is developing request for Proposals (RFP) guidelines and procedures for maximizing effective use of state and federal funds within the Career/Vocational Division.

PENNSYLVANIA

John W. Struck, State Director of Vocational Education
Carroll A. Curtis, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. The Interrelationships of Preadolescents Student Characteristics Influencing Selection of Career Exploration Courses

2. Development of a Job-Opportunity Based Planning Model for High School Vocational Agriculture Programs

3. A Study of Intraclass Grouping and Traditional Grouping on Student's Terminal Achievements During the Last Nine Weeks in First Semester Typewriting

4. Data Instrument Development for Accounting Program Improvement Study

5. An Examination of the Relationship Between High School Experiences of Youth and Success and Satisfaction in Postsecondary Endeavors

6. VEMIS Backup Facility and Transfer of Functions

7. Forecasting the Future Food Service World of Work

8. The Use of Infra Sound Therapy with Deaf and Hard-of-Hearing Adults

9. An Analysis of the In-Service Education Practices, Procedures and Perceptions of Vocational-Technical Teachers and Supervisory Leaders in AVTS of Pennsylvania

10. Continuation and Diffusion of a Model Occupational-Oriented Curriculum

11. A Career Approach to Natural Resource Management in Wildlife and Recreation

12. Nursing and Auxiliary Nursing Articulation
13. Home Health Management Assistant
14. Home Health Management Aide
15. Prevocational Education Resource Center
16. An In-Service, Preservice Vocational Development Strategy
17. School-Based Job Placement Service Model: Phase III, Implementation
18. Product Installation and Evaluation
19. School-Based Job Placement Service Model: Phase III
20. Vocational Education Curriculum Center for Pennsylvania
21. Job Placement
22. Implementation of the Cluster Concept in Two Vocational Areas in an Area Vocational-Technical School Setting
23. A Project to Improve Career Education
24. TIME SCHEDULING: A Method of Individualizing Instruction

RESEARCH RELATED ACTIVITIES:

1. Career Resource Center Implementation and Evaluation - An in-progress report was prepared synthesizing the activities of 17 career resource centers operating in Pennsylvania during fiscal year 1973-74. The purpose of the centers is to provide current and accurate career information to students, faculty, parents and others. Input for the development of the centers was derived from: 1) the evaluation by the Pennsylvania RCU of five pilot CRCs developed during the period 1970-73, 2) the RCU guidelines for

establishing CRCs and 3) the consultative services of the five pilot CRC directors. The report will be distributed to all local school districts in Pennsylvania as well as state-level personnel.

2. PENNscripts - The evaluative questionnaires are being revised as a result of piloting the original forms for the forthcoming comprehensive evaluation of PENNscripts. A sampling procedure is presently being developed to determine the students, teachers and guidance counselors to be involved in the statewide study.

3. Evaluation of Educational Programs in Correctional Institutions - Preliminary discussions were held with James Smith, Chief, Division of Corrections Education, relative to the RCU's responsibility in conducting an evaluation of vocational education programs in the state's correctional institutions. Previously developed instruments are being revised as a result of last year's initial evaluation. Additional evaluative activities will also be a part of the current year's effort.

4. Coordination of Commissioner's Share of Discretionary - Part C Proposals - The RCU was assigned the responsibility of disseminating information about the Discretionary - Part C monies to local educational agencies. The staff worked with some of the LEAS in the preparation of proposals. All LEA proposals were reviewed by RCU staff and prepared for the State Board of Education's approval. The RCU is currently working with the State Director of Vocational Education to determine if any of the proposals submitted to OE are duplications of ongoing state research activities.

5. Manpower Research Activities - The primary goal is to improve the manpower research and information efforts as they relate to occupational education planning and decision-making. Working with the Pennsylvania Department of Labor and Industry and the Governor's Office, a procedure was developed for soliciting opinions from knowledgeable people in the field of occupational training and employment.

Specifically, an attempt was made to obtain advice and suggestions for improving manpower information to better serve the needs of occupational and manpower planners. Assistance was provided to the Governor's Office in the preparation of a planning grant proposal for the development of an occupational information system. The proposal, submitted to the Manpower Administration, was approved. Presently, efforts are being directed towards assisting in the development of a proposal for a larger operational grant. In addition, in order to assist vocational education program planners at both the state and local level, members of the RCU have produced the following reports:

a) Annual Occupational Withdrawal Rates for Pennsylvania and the Major Labor Market Areas
b) Post-high School Activities of the 1973 Graduates by Rach and Sex
c) A Study to Determine the Feasibility of Establishing a Community College to Serve a Five-County Area in Pennsylvania

PROJECTS AND ACTIVITIES PLANNED:

1. Conduct the evaluation of PENNscripts.

2. Complete and forward to USOE the Second Annual Report of the Discretionary - Part C Career Education Projects.

3. Assist local educational agencies to implement approved Research (Part C) and Exemplary (Part D) projects funded directly from USOE.

4. Continue assisting local educational agencies to implement a model occupational placement service.

5. Continue participating in the evaluation of Pennsylvania's pilot distributive education curriculum project (LAPS).

6. Continue manpower activities.

7. Develop and secure approval of a research plan to utilize 1975 Part C and D funds to achieve research objectives that are based on established federal and state priorities and the State Plan for Vocational Education.

8. Provide staff assistance to the Governor's Office and the Bureau of Employment Security in the development of a comprehensive occupational information system proposal for the US Department of Labor.

9. Evaluate vocational programs in the eight state adult correctional institutions and the 16 youth development centers.

10. Plan and conduct an evaluation of three pilot job placement centers implementing a previously developed model. Develop procedures for implementing job placement activities in Pennsylvania's youth development centers.

11. Develop a forms manual for job placement activities in Pennsylvania.

12. Develop a preemployment course of study for youth development centers.

RHODE ISLAND

Peter Bowen, State Director of Vocational Education
Jacqueline Nelson, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. Reading into Careers, Lincoln, Mr. Richard Sheehan
2. Career Awareness in Communication, Conventry, Mr. Thomas Roche
3. First Step Consumer Awareness, Cranston, Dr. Joseph Picano, Jr.
4. Basic Carpentry, Cranston, Dr. Joseph Picano, Jr.
5. HOPE, Mr. Albert Manning, North Scituate
6. Art Career Awareness/Exploration, Providence, Dr. Charles Bernardo
7. Project: Career Planning, Providence, Dr. Charles Bernardo
8. World of Work, Hope Valley, Mr. Richard Cobleigh
9. Focus on the Future, Hope Valley, Mr. Richard Cobleigh
10. Creating and Vocational Awareness, Ashaway, Mr. Richard Cobleigh
11. Career Opportunities in the Natural Environment, Ashaway, Mr. Richard Cobleigh
12. Printing Without Ink, Ashaway, Mr. Richard Cobleigh
13. Environmental Workings-Career Ed. in Natural Resources, Coventry, Mr. Thomas Roche
14. Let's Put Science to Work, Lincoln, Mr. Richard Sheehan
15. Project: H.E.L.P., Cranston, Dr. Joseph Picano, Jr.

Rhode Island

RESEARCH RELATED ACTIVITIES:

1. The Research Unit at the Department of Education is developing a Vocational Education module of a Management Information System (MIS) designed to collect, process, and disseminate information about Vocational Education to enhance decisionmaking in this area at State and local levels, for the purposes of program control, program management, and planning.

2. The vocational office is also supporting the Diocese of Providence in their efforts to develop and pilot career education program for system-wide use among non-public schools, grades 7-12.

PROJECTS AND ACTIVITIES PLANNED:

1. The Vocational Office plans to continue support of the development of the MIS and to expand Career Education efforts including non-public as well as public endeavors.

SOUTH CAROLINA

L.L. Lewis, State Director of Vocational Education
Gregory Morrison, RCU Director

PROJECTS COMPLETED:

1. Phase II of the Model Career Education Project, at Lexington School District #3, in Batesburg

NEW PROJECTS FUNDED:

1. The second of a two-phase Career Education Project was funded until June 1975, at Spartanburg School District #5, in Duncan, South Carolina. The program will provide opportunities for the development, demonstration and testing of a Career Education model suitable for state-wide implementation. The project activities are designed to complement the existing structure, resources and programs of Spartanburg District #5.

RESEARCH RELATED ACTIVITIES:

1. A series of workshops were conducted for inservice training pertaining to Career Education, utilizing the "Orientation to Career Education" package, which consists of programmed materials for teacher/administrators, with videotape and ideas booklet.

2. A Graphic Communications Teacher Training Workshop was conducted to assist instructors in developing plans and strategies necessary for effective implementation and administration of the new curriculum materials recently developed for their use.

3. An instrument was developed and plans were made to evaluate the VIEW delivery system by surveying approximately 8,000 students in grades 7, 9, and 11 at various locations throughout the state.

4. A plan and proposal were prepared to establish a non-statistical vocational information component for the existing State Department of Education information system. This effort would consist of a one-year pilot

to determine the need for such a system and would rely on resources from the ERIC, AIM/ARM systems.

5. The Career Cluster Phase III Curriculum Development effort is continuing, with emphasis on the preparation of LAP's consisting of self-paced student work sheets, complemented by slide-tape programs, in the areas of Machine Shop and Heating, Air Conditioning and Refrigeration.

6. Workshops were conducted for guidance counselors, principals and superintendents in the fall, for the purpose of discussing innovative approaches for implementing VIEW programs and identifying remedies for problems encountered.

7. Request for proposals were prepared and distributed in an attempt to secure a third party evaluation, to design a plan and construct instruments necessary to determine the effectiveness of the Career Cluster curriculum materials upon their implementation in the fall of 1975.

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of inservice workshops for teacher/administrators pertaining to Career Education.

2. Continuation of the Career Cluster curriculum development project, Phase III.

3. The Career Development staff will revise and refine the South Carolina Department of Education "Position Paper."

4. A survey will be conducted to identify all programs in South Carolina operating under the banner of Career Education.

5. The VIEW delivery system will be evaluated, utilizing the instruments previously developed and a sample selected ramdomly.

6. The completion, reproduction and dissemination of the Career Cluster curriculum materials to vocational and technical education instructors

7. Orientation and teacher training workshops will be conducted to familiarize the instructors with and train them in the use of the newly developed Career Cluster curriculum materials

8. The preliminary phase (Phase I) of the Career Cluster evaluation effort will be initiated to design the evaluation plan strategies and establish the procedures that will be used during the 18 months' evaluation cycle. The test instruments will be prepared and validated prior to use in the fall of 1975.

9. A one-year pilot test effort will be initiated to determine the need for a non-statistical vocational information system that will complement the existing State Department of Education information system, utilizing ERIC, AIM/ARM as the primary information sources.

10. Workshops will be conducted to tap the experience and knowledge of the vocational student placement and adult project coordinators in gathering preliminary final project report information, opinions and recommendations. Final reports will be prepared and submitted upon conclusion of the Student Placement and Adult Projects in July 1975.

SOUTH DAKOTA

E. B. Oleson, State Director of Vocational Education
E. B. Oleson, RCU Director

NO REPORT RECEIVED

TENNESSEE

W. M. Harrison, State Director of Vocational Education
Garry R. Bice, RCU Director

PROJECTS COMPLETED:

1. "The Development of a Framework for Curriculum and Professional Personnel Development for Comprehensive Vocational'Technical Education in the State of Tennessee" - Contract with Tennessee State Department of Education, Comprehensive Vocational Education.", Tennessee State Department of Education, Comprehensive Vocational Education

2. "Follow-up Study of Vocational Office Education Graduates of Springfield High School," Robertson County

3. "An Approach to Individualized Study in Vocational Agriculture at Gallatin Senior High School", Sumner County

4. "Follow-up of Graduates at Columbia Central High School: Survey of Job Placement" - Columbia Central High School, Maury County

5. "Developing a Curriculum Guide for Vocational English at Green Brier School", Robertson County Board of Education

6. "Job Placement Services: An Exploratory Program, Hiwassee College 1972-73", Monroe County

7. "Career Information" An Experiment in the Sheffield Community, Memphis, Tennessee" - Memphis City Schools, Shelby County

NEW PROJECTS FUNDED:

1. "A Follow-up of 1973 Secondary Vocational Educational Students and Area Vocational Education Students", Tennessee Research Coordinating Unit

2. "Career Orientation/Career Guidance - Seventh Grade", Henry County

3. "Development of Materials for a Life Planning Curriculum for Summertown High School, Lawrence County

4. "A Comparative Follow-up Study of Vocational and Non-Vocational Graduates at Waverly Central High School from 1967-1974", Humphreys County

RESEARCH RELATED ACTIVITIES:

1. Tennessee Management Information System.

2. Occupational Information System.

3. Information Retrieval and Dissemiation System.

PROJECTS AND ACTIVITIES PLANNED:

1. Wage Data Survey: The Tennessee RCU has entered into an agreement with the State Department of Economic and Community Development to provide two quarterly reports on wage data for manufacturing type occupations. This project will involve the Department of Employment Security and will be conducted during the period January 16, 1975, through June 30, 1975. The first quarterly survey will be completed by April 1, 1975, and the update survey will be completed by June 30, 1975.

2. Project Interface: Under the Comprehensive Training and Education Act of 1974 and through the auspices of the Department of Economic and Community Development, interfacting tables are being developed that allow the articulation between and among various occupational classifications. These tables will be used to enable manpower forecasters to improve. Specifically, interface deals with the articulation of the Occupational Employment Security (CES) codes as used by the Department of Economic and Community Development with the (USOE) codes as used by the Tennessee State Department of Education, for classification of training of various occupational categories. It is anticipated that this portion of the

project will take approximately 4,000 hours of professional staff time as it requires a great deal of primary analysis. Interface" is expected to produce a totally computerized articulation system for use by manpower planners throughout Tennessee and across the nation.

3. THEC: In April, 1974, the Tennessee Higher Education Commission performed a survey entitled "The Tennessee Education Monitoring Survey" (OEMS). This survey makes available a primary data base of approximately 43,00 students and includes such information as name, address, and zip code. The Higher Education Commission of the State of Tennessee also maintains an information base for both public and private institution (HIS). The Division of Vocational-Technical Education currently maintains a data base including the names and addresses of all students enrolled in area vocational-technical schools in Tennessee. THEC requested that the Research Coordinating Unit do a follow-up of the students occuring in the OEMS file but not in the "HIS' or "AVTS" files. Postcards and a letter will be mailed to students that were missed.

TEXAS

John R. Guemple, State Director Vocational Education
Ray Barber, RCU Director

PROJECTS COMPLETED:

1. Vocational Education in Texas High Schools - An Ethnic Comparison, University of Houston

2. A Study of Construction Technology Curriculum and Construction Industry Needs, Paris Junior College

3. A Study of Manpower Training Requirements for the Texas Agricultural Industry, Texas A&M University

4.

4. Statewide Survey of Current and Future Employment Lends of Licensed Dental Hygienists, Texas State Technical Institute

5. Evaluation of the Texas Supply/Demand System for Vocational Education, University of Texas

6. The Application of Systems Analysis to Vocational Occupational Curricula Planning, East Texas State University

7. Training in a Summer Camp Setting for Paraprofessionals Working with the Dear and Hard of Hearing, McLennan Community College

8. Occupational Orientation Projects, 37 project sites

NEW PROJECTS FUNDED:

1. Evaluation of the Texas Supply/Demand System for Vocational Education, University of Texas

2. The Application of Systems Analysis to Vocational-Occupational Curricula Planning, East Texas State University

3. Training in a Summer Camp Setting for Paraprofessionals Working with the Deaf and Hard of Hearing, McLennan Community College

4. Identification of Actual Tasks Performed and Relative Amount of Time Spent on Tasks by Vocational-Technical Personnel, EPD Consortium D

5. The Development of a Plan for a Competency Based Industrial Arts Curriculum with Direct Implications for Occupational Education Program Development, Southwest Texas State University

6. Employment Opportunities and Training Needs in Agribusiness, Texas A&M University

7. General Follow-up Study, Windham School District

8. Occupational Orientation (Investigation) Projects, 18 new project sites

9. Career Education Counseling Project, Corpus Christi ISD

10. Project RACE, Weatherford ISD

11. Career Guidance and Dissemination Center, Austin ISD

12. Career Exploration of Health Occupations, Port Arthur ISD

13. Improving Occupational Exploration and Career Planning Through the Development and Widespread Utilization of Career Development Resources, East Texas State University

RESEARCH RELATED ACTIVITIES:

1. Ten research proposals were reviewed and evaluated during the six month period. Seven projects were approved for funding. Five projects initiated prior to June 30, 1974, were continued. Seven projects were completed.

2. Members of the staff continued to participate in the coordination of exemplary projects funded under Part D, Public Law 90-576, and the development and coordination of pilot-demonstration projects in

occupational education for handicapped students funded under Section 122(c)(3).

3. Members of the staff continued to participate in the activities of a special interagency task force to develop and implement a comprehensive manpower supply/demand data system for the State of Texas.

4. Members of the staff continued to participate in a special project to computerize the statistics and financial inputs required for the preparation of the Annual Report for Vocational Education.

5. The staff participated in a wide variety of activities related to research and development in occupational education and other components of career education.

PROJECTS AND ACTIVITIES PLANNED:

1. Seven previously described projects will be continued during the next six month period. Two new projects have been approved for initiation during the six month period. Approval of approximately ten additional new projects is anticipated.

2. Emphasis will continue to be placed on curriculum development projects, manpower needs and development studies, evaluation projects, and follow-up and placement studies. Continued emphasis will be placed on the role of occupational education as an integral part of the total career education process.

3. Continued emphasis will be placed on the initiation of exemplary projects focused on career awareness, investigation, and exploration.

4. Development and initiation of pilot-demonstration projects in occupational education for the handicapped will be continued.

5. The Texas State Plan for Vocational Education for Fiscal Year 1976 will be completed and forwarded to the USOE.

6. The staff will continue to participate in a wide

variety of activities related to research and development in occupational education and other components of career education.

7. The division's library facilities will continue to be improved. Continued progress will be made in the development of improved dissemination procedures.

UTAH

Walter Ulrich, State Director of Vocational Education
N. Craig Kennington, RCU Director

PROJECTS COMPLETED:

1. Evaluation of Chamber of Commerce Work Observation Program, SLC, Davis, Granite, Jordan, Murray, UTCSL

2. The application of approved standards for Post Secondary Curriculum in Utah

NEW PROJECTS FUNDED:

1. Career Education in the Junior High School, Statewide

2. Industrial Arts Education in Career Education Setting, Selected districts

RESEARCH RELATED ACTIVITIES:

1. Evaluation of Vocational-Technical education at College of Eastern Utah.

2. Administration, evaluation, consultation for State funded, "Career Development (Dropout Prevention) Program.

PROJECTS AND ACTIVITIES PLANNED:

1. Evaluation of Vocational Technical Education at Skills Center (South), Sevier Area Vocational Center, and Snow College.

2. Skills Center (North) Intake-Assessment Program Evaluation.

3. A study to determine the extent to which Vocational Certificates, Associate of Applied Science degrees and Associate of Science degrees enhance the employability of job seekers.

4. Develop and implement survey procedures that will yield accurate job demand information.

5. A study to determine criterion referenced instruction approach to teacher education.

6. A study to determine career education and implications for business education programs at the junior high school level.

7. Assess educational needs and occupational opportunities available to youth and adults in agriculture in Utah.

8. Evaluation of home or related occupational programs.

VERMONT

Arthur Ericson, State Director of Vocational Education
Joseph P. Kisko, RCU Director

PROJECTS COMPLETED:

1. Identifying a Non-Verbal Aptitude Measure for Use in Counselling Secondary Level Mentally Retarded, Randolph

2. Post-Secondary Education Follow-Up Study, Montpelier

3. Review & Analyze Enrollment Trends at Barre City Regional Vocational Technical Center, Barre

NEW PROJECTS FUNDED:

1. Instructional System Development Model for Vermont Vocational Area Centers, NERCOE

2. Evaluation of Testing Materials for Use in Career Guidance and Education, Burlington

3. Twin State Educational Information System, Montpelier

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Discussion and decisions on research needs with staff.

2. Request, evaluate and recommend proposals for approval that meet the needs of vocational education in the State.

3. Prepare annual reports.

VIRGINIA

George S. Orr, Jr., State Director of Vocational Education
Lloyd M. Jewell, Jr., RCU Director

PROJECTS COMPLETED:

1. Research and Development Project in Career Education, Richmond

NEW PROJECTS FUNDED:

1. Development and Implementation of Career Education in VA, State Dept. of Education

2. Further Development of the Voc. Education Management Information System, VPI & SU

3. The Design, Field-testing, and Implementation of a Curriculum for the Course 'Introductions to Vocations' for the Middle Schools and Junior High Schools of the Commonwealth of Virginia, VPI & SU

4. A Compilation, Preparation, and Distribution of Instructional Materials in Positive Work Ethics in Relation to Occupational Choice

5. A Study to Provide the Tidewater Area Industrial Arts Teachers with the Information, Equipment, and Coordinating Agencies Necessary for the Establishment and Operation of Secondary School Chapters of the Virginia Industrial Arts Students Association, Old Dominion University

6. An Evaluation of the Health Careers Program At Jefferson Senior High School, Roanoke City Schools

7. Design for a One Semester Curriculum for Exploratory Business, Portsmouth City Schools

8. Career Opportunities in Transportation, Harrisonbury City Schools

9. Vocational In-Service for Secondary Guidance Counselors, York County Schools

Virginia

10. Public Information on Vocational Education, Wise County Schools

11. Assessment of the Impact of Vocational Media on Russell County Sophomores, Russell County Schools

12. Activities Relating to Recruiting and Selecting Voc. Students, Henry County Schools

13. A Project to Provide Student Orientation and Public Information on teh Vocational Education Program in Appomattox County, Appomattox County Schools

14. Teacher Use of Career Counseling Modules in Developing Career Awareness, Alleghany County Schools

15. Five Year Follow-Up of Albemarle High School Graduates, Albemarle County Schools

16. Career Development Counseling with Video Tape Recordings, New Kent County Schools

17. The Establishment of Baseline Data on Students Leaving George Washington High School through Graduation or Dropping Out; 1970-74 as a Basis for Future Follow-Up Coordinated Curricular Strategies for a Countywide K-12 Vocational Program, Washington County Schools

18. Hampton Student Job Placement, Hampton High School

19. Alexandria City Student Job Placement, T. C. Williams High School

20. Harrisonburg/Rockingham Student Job Placement, Massanutten Voc-Tech Ctr

21. Delmarva Career Education Project, Northampton County Schools

RESEARCH RELATED ACTIVITIES:

1. Continued the research and development project in career education at Radford and Petersburg school division with state funding.

2. Published an analysis of the follow-up study of secondary student completions 1972-73.

3. Conducted follow-up study of secondary and adult student completions for 1973-74.

4. Continued participation in V-TECS.

PROJECTS AND ACTIVITIES PLANNED:

1. Prepare an analysis of 1973-74 follow-up secondary and adult student completions.

2. Update and improvement of the Management Information Sysetm.

3. Receive, review, and evaluate proposals to consider for fudning during 1975-76.

WASHINGTON

Arthur A. Binnie, State Director, Vocational Education
Gene W. Bigger, RCU Director

PROJECTS COMPLETED:

1. Placement Service Training Model, Seattle
2. Surveying Restaurant Skills Needs to Establish a Food Service Class, Mercer Island
3. Articulation of Secondary to Postsecondary Vocational Education Programs, Ellensburg

NEW PROJECTS FUNDED:

1. Basic Mathematics Skills Laboratory Program for Adults, Tacoma Community College
2. Project REPRO, Edmonds Community College
3. Wildlife Conservation and Recreation Curriculum Guide, Selkirk High School
4. Specialized Career Guidance for Dropouts, Yakima School District #7
5. Recreational Area Management and Program Development, Wenatchee Valley College
6. Curricular Change for Teaching Teenage Parents, Yakima
7. Development of an Instrument for Prescribing Compensatory Education for Vocational Technical Trainees, Renton
8. Survey and Documentation of Vocational Skills/Needs and Corresponding Job Availability in the Ortin School District, Orting
9. Surveying Restaurant Skills Needs to Establish a Food Service Class, Mercer Island
10. Intensive Care for Nursing Personnel, Mt. Vernon

Washington

11. Occupational Education Occupational Student Attrition Study, Midway

12. Designing Data Gathering Instruments for Voc. Educators, Pullman

RESEARCH RELATED ACTIVITIES:

1. Participation in meetings of groups and agencies as host, member, or consultant:
   Common school districts
   Community colleges
   4-year institutions
   National RCU Conference

2. Addition of specialist to RCU staff to evaluate and disseminate R&D materials.

3. Statewide distribution of newsletter articles promoting use of ERIC System and Statewide distribution of newsletter articles promoting use of ERIC System and microfilm equipment, development of bibliographies and automated ERIC searches for inservice training groups, workshops and seminars, and the distribution of microfiche, at no cost, to vocational teachers in the state.

PROJECTS AND ACTIVITIES PLANNED:

1. Research Techniques.

2. Workshops in three or four geographical regions on the state.

3. Development of a Monograph (How to write a proposal).

4. Dissemination of project results.

5. Develop an index of projects ("C" and "D") funded in the state.

WEST VIRGINIA

Clarence E. Burdette, State Director of Vocational Education
Glenn E. Smith, RCU Director

PROJECTS COMPLETED:

1. The Development of a Master Plan for the Financial Support of Vocational Education Programs in West Virginia, Ohio State University

NEW PROJECTS FUNDED:

1. A Study of Factors Affecting Student Enrollment and Scheduling in Vocational Education Programs in West Virginia, Associated Educational Consultants, Inc.

RESEARCH RELATED ACTIVITIES:

1. Conducted a Task Force study on the availability of vocational education in West Virginia.
2. Developed and submitted a proposal for further development of the West Virginia vocational education mangement information system, under the Commissioner's Part C, Discretionary awards program.
3. Completed an EPDA project designed to acquaint vocational instructors with new curriculum materials.

PROJECTS AND ACTIVITIES PLANNED:

1. Determination of priority projects for Part C funding in FY 76.
2. Initiate a project to develop policy and procedure manuals for vocational education.
3. Establish a state vocational education curriculum laboratory for the identification, acquisition, storage and dissemination of curriculum materials.
4. Continue operation of the state management information system for vocational education.

WISCONSIN

Eugene Lehrmann, State Director of Vocational Education
Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. Evaluation of Civil Structural Curriculum, Eau Claire
2. Individualized Instruction for Rural Day Care Services, La Crosse
3. Attitudes Toward Instruction, Fennimore
4. Evaluation of Architectural Curriculum, Madison
5. Physics Requirements for Engineering Technicians, Kenosha
6. Computer Augmented Accounting, Milwaukee
7. Program Evaluation Model, Fond du Lac
8. Task Analysis for Optometric Assistant, Cleveland
9. Evaluation of Civil Highway Curriculum, Green Bay
10. Multi Research and Curriculum Project, Wausau
11. Feasibility of Health Related Occupations Curricula, Rhinelander
12. Multi Research and Development Project, Shell Lake
13. Graduate Student Research Grants - III, Menomonie
14. Impact of Research and Exemplary Programs, Columbus
15. Conceptual Framework for Cost-Benefit Studies, Madison
16. Evaluation of Metals Curriculum, La Crosse
17. Follow-Up of Summer Program, Wausau

Wisconsin

18. Attitudes of Potential Early Withdrawals, Wausau
19. Task Analysis for Maintenance of Loading Equipment, Wausau
20. Computerized Career Development (DPI), Milwaukee
21. Agriculture Career Workshop (DPI), Madison
22. Comprehensive Student Follow-Up (DPI), La Crosse
23. Multi-School Consortium (DPI), Madison
24. Evaluation of Career Education Program (DPI), Menomonie
25. Home Economics Materials for EMR's (DPI), Stevens Point
26. Business Education Curriculum (DPI), Madison
27. Career Mobile Project, La Crosse
28. Career Consultant Project, La Crosse
29. Career Decisions - II, Pewaukee
30. Small Store for Fashion Merchandising, Madison
31. Career Telephone Service, Kenosha
32. Career Education Center, Fond du Lac
33. Learning Resource Center Assessment, Wausau
34. Self Instruction for Fluid Power, Kenosha
35. Evaluation of OVIS, Shell Lake

NEW PROJECTS FUNDED:

1. Career Education Project Office (WB-DPI), Milwaukee
2. Interaction of Learning Styles, Appleton
3. Information Retrieval Demonstration with CRT, Madison

Wisconsin

4. Self-Instructional Slide/Tape for ERIC/NTIS Users, Madison
5. Mini Grants for Research and Curriculum Development, La Crosse
6. Competencies for Utility Operators, Fennimore
7. Vocational Coordinated Curriculum for General Education, Fond du Lac
8. Evaluation of Farm Training, Appleton
9. Graduate Student Research Grants - IV, Menomonie
10. Effectiveness of CMI in Individualized Instruction, Menomonie
11. Inter-District Vocational Education (DPI), Waupun
12. Analysis of Agriculture Instructors (DPI), Madison
13. Vocational Education Curriculum Unit (DPI), Madison
14. Office Occupations Classifications, Eau Claire
15. Instructional Materials for Industrail Education (DPI), Menomonie
16. Food Service Workshop (DPI), Madison
17. Computer Oriented Accounting, Madison
18. Career Information - Group Counseling, Kenosha
19. Office Simulation, Kenosha
20. Office Simulation, Cleveland
21. Computer Assisted Instruction, Appleton
22. Year-round Education - II, Appleton
23. Career Information for Area High Schools, Rhinelander

Wisconsin.

24. Employability Skills - Job Placement Education, Madison
25. Career Education (DPI), Muskego
26. Career Education (DPI), Wisconsin Rapids
27. Industrial Education Curriculum Development, Clintonville
28. Accounting II (DPI), Boyceville
29. Multi-Lateral Vocational Project (DPI), Oshkosh
30. Health Occupations Education Project (DPI), Shawano
31. Project Invest (DPI), Madison

RESEARCH RELATED ACTIVITIES:

1. Interaction of Learning Styles Project.
2. Determination of Professional Development Priorities.
3. Alternative Delivery Systems.
4. Staff Exchange Projects.

PROJECTS AND ACTIVITIES PLANNED:

1. Reassessment of Research Priorities.
2. Revision of RFP System .
3. Improvement of Articulation Between Secondary and Post-Secondary Vocational-Technical Education Curricula.

WYOMING

Fred Black, State Director of Vocational Education
Richard Rowles, RCU Director

NO REPORT RECEIVED

AMERICAN SAMOA

Pat Benioni, Director of Vocational Education
Pat Benioni, RCU Director

NO REPORT RECEIVED

GUAM

Duane I. Pierce, Director of Vocational Education
Duane I. Pierce, RCU Director

NO REPORT RECEIVED

PUERTO RICO

Jose Lema Moya, State Director of Vocational Education
Vidal Velez, RCU Director

PROJECTS COMPLETED:

1. Study to evaluate students achievement in the different business subjects at the Mayaguez Educational Region. No funds were allocated for year 1974-75.

2. Study to determine the consumer patterns of the Puerto Rican families. An abstract of the final report will be prepared and sent to Eric Clearinghouse Center.

3. Effectiveness of the Business Education Program in preparing Students for job Opportunities in the Caguas Region Final report is available.

4. Career Education Program at Palmarejo Rual Second Unit in Lajas School District to Acquaint Elementary and Junior High School Students with Career Possibilities. (No funds were allocated on FY 1974-75)

5. In service training program for teachers of the Vocational Industrial Occupational Program for 126 teachers.

6. In-service training to acquaint school directors and supervisors with the course Introduction to the Technology of Occupations.

7. Leadership training program for teaching personnel of the Industrial Arts Program and the Vocational Industrial Program.

8. Preservice training program for the preparation of assistant teachers for Home Economics, Industrail Arts, Vocational Industrial Education and Counseling and Guidance.

9. Preservice training program for the preparation of 28 Vocational Industrial teachers in coordination with the Inter American University.

Puerto Rico

10. Cooperative approach for the training of vocational education personnel under provisional contracts.

11. In-service training for Home Economic and Industrial Arts teachers in new concepts and techniques in the teaching for handicapped students.

NEW PROJECTS FUNDED:

1. Management Information System

2. Development of Occupation Enrollment Projection in terms of Occupational Demand

3. Evaluation of the Health Realted Occupations Program

4. Business Vocabulary Count in Spanish

5. Follow-Up Study of Vocational Graduates for the year 1973-74

6. Study on training needs on specialized Vocational Agriculture in PR

7. Establishment of a Management Control System for the Vocational and Technical Education Programs using PERT technique

8. Curriculum Development for the Vocational and Technical Education Programs adapted to the Extended Calendar School Year: a) Guides for the course Pharmacist Assistant b) Guides and Tests for self-study in Business Education c) Guides for the course "Principles of selling" for the Distribution and Marketing Program d) Curriculum development basic to the training of individuals for employment in agri-business e) Teaching modules in consumer education f) Curriculum Development in the areas of jewelry, hardware, home furnishings, real estate, ticket agent, and automobile parts sales g) Modules in the area of communications for Industrial Arts Junior High School Students h) Curriculum development for the areas of construction, manufacturing, and services for Vocational Industrial Education.

Puerto Rico

9. Development of an Exemplary Career Education Comprehensive Program in the Regular and the Vocational and Technical Education Program in Puerto Rico.

10. A Model State Pedagogical Resources Center for Designing, Producing, Testing, Revising and Disseminating Teaching, Audiovisual, and other Educational materials for students of Regualr, special and Post secondary Programs for Vocational and Technical Education in Puerto Rico.

11. Evaluation project for the Business Education and Distribution and Marketing Program.

12. Development of a comprenensive model for Career Education in Puerto Rico.

13. Establishment of a Vocational and Adult Education Department at the School of Education of the University of Puerto Rico.

14. Cooperative Program for the improvement of leadership in Vocational Education personnel.

15. In-service training program for industrial coordinators of the Vocational and Technical Education Program.

16. In-service training for educational personnel assigned to the new curriculum centers at the area vocational schools.

17. In-service training for Home Economic and Industrial Arts Teachers in new concepts and techniques in the teaching for handicapped students.

18. In-service training program for Distribution and Marketing teachers in sales promotion and merchandise display.

19. In-service training to acquaint school Directors and supervisors with the course introduction to Technology Occupations.

Puerto Rico

RESEARCH RELATED ACTIVITIES:

1. The semiannual report to the U.S.O.E. for the period of January to June 1974 was prepared.

2. The State Vocational and Technical Education Annual Plan for School Year 1974-75 was revised.

3. The State Vocational and Technical Education Annual Report for School Year 1973-74 was prepared in English.

4. The following federal reports were prepared: "Enrollment in Vocational Education Programs" (OE Form 346-3, 4/74) and Number of Teachers, Status of Teacher Training and Local Administrative Staff in Vocational Education (OE Form 346-2,4/74).

5. A final and an evaluation report of the translation and adaptation component was prepared in coordination with the Evaluating Office of the Department of Education.

6. The Curriculum Development Plan for the year 1974-75 was prepared and distributed.

7. The Four-year Curriculum Development Plan is in process.

8. A final report of the In-service training Program for teachers of the Vocational Industrial Occupation Program was submitted to the Federal Office of Education.

9. A training for the writing of modules and validation of job analysis charts was provided to Vocational Education teachers. Another training was offered to curriculum technicians in the use of these job analysis charts.

10. The annual report of the R.C.U. for the School year 1973-74 was prepared in English and Spanish.

11. A training related to the Management Information System operation was provided in the six Educational

Regions of the Island in coordination with the Computer Center of the Department of Education.

12. The Final Report of the E.P.D.A. project "TEchnical Assistance for the development and implementation of a long range master plan for the preparation of vocational industrial education" was prepared.

13. A revision of the proposal "Proposal for the Implementation of a Driver Education Program in the Public High Schools of Puerto Rico" was conducted.

14. Proposal for the development of a center for training in fishing techniques, vessel construction for deep sea fishing, and seamanship, in Arroyo, PR

15. Proposal for the training of vocational education personnel working under provisional contract with the Commonwealth Department of Education.

16. Proposal for the establishment of a vocational and adult education program at the College of Education of the University of Puerto Rico.

17. Proposal for the development of a Management Information System at the Puerto Rico Research Coordinating, Phase II.

18. Proposal for a pilot project to establish an Agribusiness Educational Service Center for the training of adult farmer in Naranjito.

19. Proposal for the Development of a Technological Institute in Ramey Air Base in Aguadilla.

20. Proposal for evaluating the effectiveness of the Health Related Occupation Program in preparing qualified personnel to serve different occupational demands.

21. Proposals for the organization of Area Vocational Schools using Mobile Units.

22. Proposal for an intensive training program for employment in the Northwestern Region of Puerto Rico.

23. Proposal for an In-Plant training program to develop the optimum degree of specialization of the Area Vocational School students of Carolina and Guayama.

24. Proposal for the development of a workshop for the training of vocational education personnel who will assume leadership roles in Vocational and Technical Education in Puerto Rico.

25. Proposal for an In-service training program for Marketing and Distribution teachers in Sales Promotion and Display of Merchandise.

26. Proposal for an In-service training program for industrial coordinators of the Vocational and Technical Education Program.

27. Proposal for the preparation of instructional materials for the vocational programs adopted to the extended calendar school year.

28. Proposal to offer a televised course in Basic Technology.

29. Proposal for an Occupational Training Information Delivery System for Puerto Rico.

30. Proposal for the Development of Occupational Enrollemtn Projections in terms of Occupational Deamnd for the Vocational and Technical Education Programs.

31. Proposal for the training in basic occupational English for Puerto Rican agricultural workers working in New Jersey and Connecticut farms.

32. Retraining of laborers displaced from the sugar cane industry to prepare them as artificial inseminators, milking machine operators and dairy cows caretakers.

33. Warehouse training project leading to the preparation of shipping and receiving clerks.

34. Training in marketing techniques for children and relatives of seasonal migrant agricultural laborers at the Ponce area.

35. Waiter-waitrees training geared to relatives of seasonal and migrant laborers.

36. Training of agricultural workers to be employed in the coffee harvest in agricultural mechanics, coffee machnie operator and coffee machinery and equipment maintenance.

37. Proposal for the training of niney agricultural migrant workers as chefs.

38. Proposal for the training of agricultural workers in the production of tobacco, minor crops and fruits.

39. Training for seasonal and migrant agricultural laborers.

40. Proposal for the training of coffee farm workers as nursery operators, ornamental plant productors and flower production.

PROJECTS AND ACTIVITIES PLANNED:

1. Implementation of the Management Information System in coordination with the Computer Center of the Department of Education.

2. Establishment of the Fishing school in the Arroyo school district.

3. Establishment of the Agriculture Residential School in Adjuntas.

4. Establishment of a Technological Institute in the facilities of the Ramey Base in Aguadilla.

5. Continue with the evaluation of the following Vocational Programs: Distribution and Marketing, Business Education, Health Related Occupations and Vocational Agriculture Program.

6. Proposal for the Development of a Comprehensive Curricula for Environmental Education in Puerto Rico.

Puerto Rico

7. Proposal for the Establishment of a Shipbuilding Skills Training Center in the Ponce Area.

8. Proposal for the Development of a Bilingual Occupational Education Comprehensive Program.

9. Development and submission of a proposal for a Demonstration Project in Safe Performance Secondary School Driver Education Curriculum to the National Highway Traffic Safety Administration through the Commonwealth Commission for Traffic Security.

TRUST TERRITORIES OF THE PACIFIC ISLANDS

Neal W. Baker, Director of Vocational Education
Neal W. Baker, RCU Director

NO REPORT RECEIVED

VIRGIN ISLANDS

Wilburn Smith, Jr., Director of Vocational Education
Wilburn Smith, Jr., RCU Director

NO REPORT RECEIVED